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AUGUST 1959

2nd Year
Vol. 52
No. 5

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PUBLISHED TWICE A MONTH
By
PETROLEUM PUBLISHERS, INC.

KINZIE MILLER—President and Editor • RICHARD SNEDDON—Contributing Editor
LELA MONROE—Vice President • LARRY O. MILLER—Secretary and Advertising Manager
2404 WEST 7th STREET, LOS ANGELES 57, CALIFORNIA • DUnkirk 2-6218

BRANCH OFFICES
CHICAGO—FRED JONES & SON—Room 517, 205 W. Wacker Drive, Chicago 6
CLEVELAND—HOWARD F. McCLENAHAN—1900 Euclid Avenue, Cleveland 15

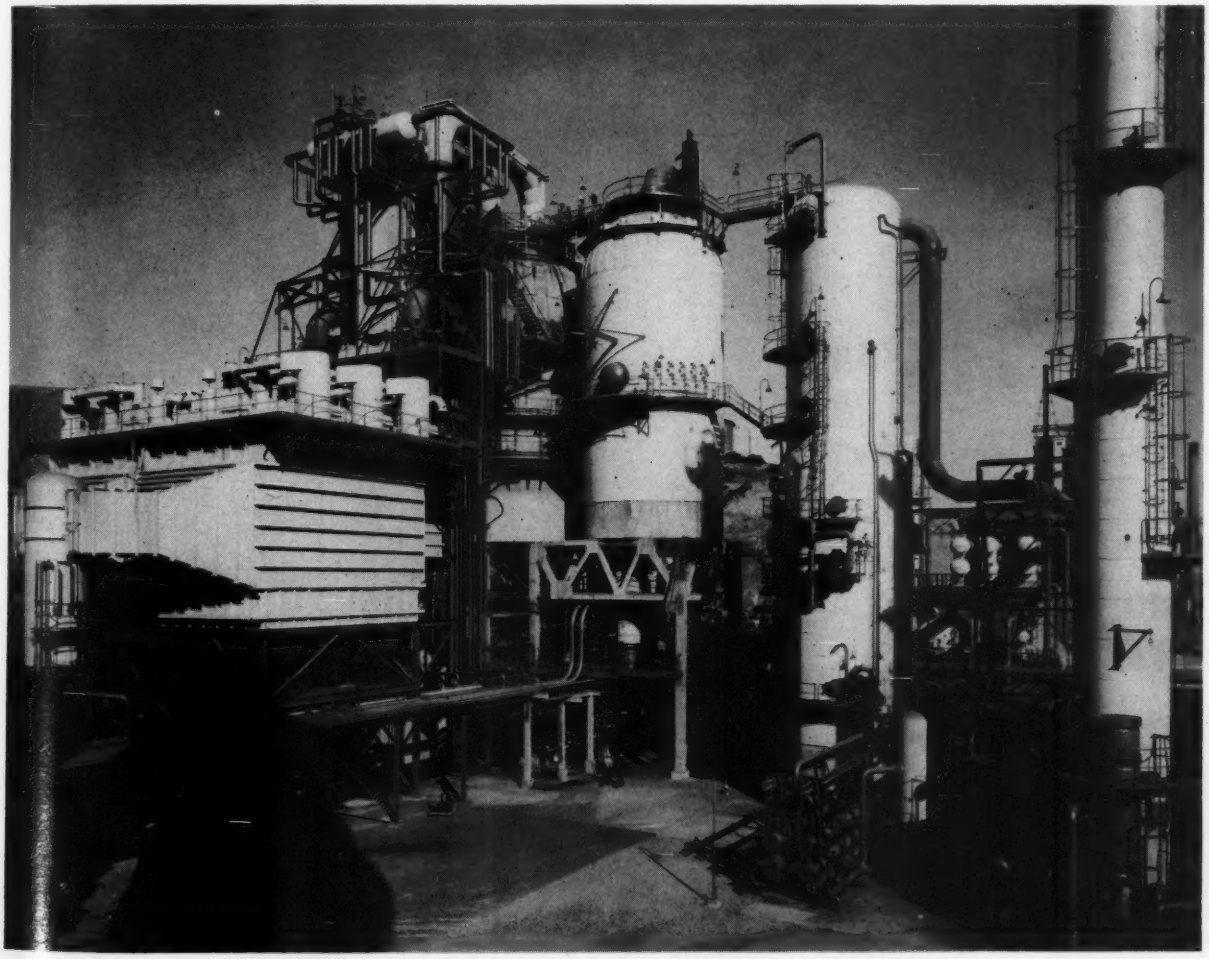
• FIRST ISSUE
AUGUST, 1959
VOL. 52 • NO. 15
WHOLE NO. 2021
August 15th, 1959

California Oil World is published twice a month at 2404 West 7th St., Los Angeles 57, California. Second-Class Postage Paid at Los Angeles, California. Subscription price $1 per year in U. S. and possessions, $2 in foreign countries including Canada.

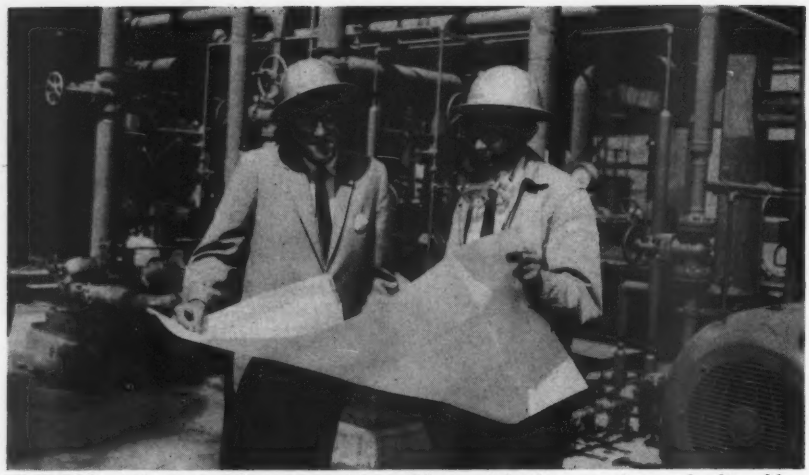
Standard Expands Richmond Refinery

Recently completed and now, "on stream" at Standard of California's Richmond refinery, is a 55,000-barrel-a-day fluid catalytic cracking plant which, together with other accessory and auxiliary equipment was constructed in record time by Fluor Corporation. If you have any doubt about the faith of the petroleum industry in its own future here in California, it may restore your confidence to know that this installation cost $33,000,000, and is the second one of its type and size to be built by Standard of Cal during the past five years. The other one is situated at El Segundo.

In actuality, the new facilities are more than a mere addition to the already gigantic Richmond plant. They are almost a whole refinery in themselves and they constitute the answer



New 55,000 barrels a day fluid catalytic cracker at Standard's Richmond Refinery.



W. H. Miller, left, general foreman and Ivan Gilman, right, foreman shown checking blue prints during construction.

to an evolutionary change in petroleum demand that has been asserting itself in gradually accelerating degree ever since the invention of the internal combustion engine. It has now reached the critical stage.

It is simply impossible any longer to furnish high-octane fuels in sufficient quantity to meet the huge demand of today or the bigger demand of tomorrow, without more light crude oil or some adaptation of refining method to yield a higher percentage of the proper stocks from available crudes. That in essence is the compelling factor behind Standard of Cal's program, according to Howard Vesper, Western Operations president. The big fluid cracker that cost about half of the total expenditure consists of a large reactor where hot oil feed is contacted with catalyst, and a regenerator where the catalyst is purified for further use. The catalyst is a fine granulated material that flows like the sand in an hour glass, hence the name "fluid" cracker. After the reaction the catalyst becomes coated with carbon. This is removed in the generator by treatment with oxygen or air which unites with the carbon to form carbon monoxide. The latter is inflammable so it is recovered and used as a plant fuel.

R. R. Bowles, assistant superintendent.

The cracking plant breaks down high molecular weight hydrocarbons that would normally go to fuel oil into gasoline fractions and light vapors. The gasoline fractions are recovered as liquids from the fractionating section of the unit, while part of the lighter fractions pass into the alkylation plant. Here the light molecules are rearranged and combined into heavier molecules to make high octane rating gasoline blending fractions. The isomerization plant produces isobutane for use in the alkylation process.

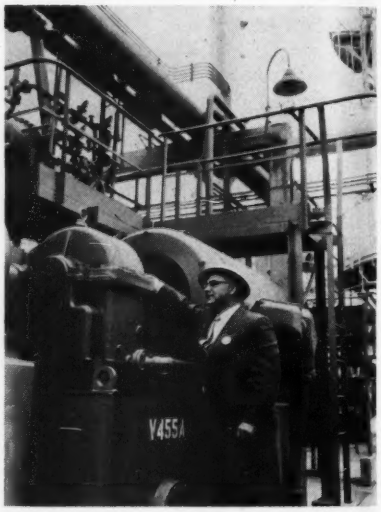
The fluid cracker includes a carbon monoxide boiler with a capacity of 300,000 pounds per hour of 850-pound pressure steam. The monoxide produced is burned under the boilers with other fuels to produce the steam required.

The first commercial Butamer* unit for conversion of normal butane to isobutane designed and licensed by Universal Oil Products Company, Des Plaines, Ill., is an essential part of the new installation.

By integrating the Butamer unit with the new alkylation plant, Standard of Cal. realized savings in construction and operation of the Butamer installation. Both units share the same deisobutanizer column.

High concentrations of isobutane in the effluent from the Butamer process, about 60% for each pass of normal butane, are attributed to a new U.O.P. platinum-containing catalyst, which operates at a high space velocity with temperatures well below 500 degrees F. End product from the combined isomerization alkylation plant is used as a blending component in the production of high octane motor fuel.

Capable of handling 5,900 BPSD of reactor feed stock and producing 3,200 BPSD of net isobutane product, the Butamer unit takes its normal butane charge from Standard of Cal's new cat cracker, via the alkylation unit's fractionation system, plus normal butane from other sources. The Butamer unit at Standard of Cal. went on stream less than a year and a half after formal an-



Norm Schaeffer checking temperature of bearing housing, centrifugal compressor, refrigeration system.

Lloyd N. Bogue checking boiler temperature and pressure reading.

DU PONT Petroleum Chemicals NEWS

Number 97 in a Series of Bulletins for the Petroleum Industry

JULY-AUGUST 1959

TEL overseas

How DuPont services the oil refineries of the world

Key Men In DuPont Export

WALTER MEES: For the past nine years, Walter Mees, at the left, export manager, has traveled up to 100,000 miles a year helping refiners all over the globe to use DuPont TEL and other additives efficiently. Holland-born and a graduate of a commercial and technical college in that country, he speaks five languages fluently and understands two more.

Before joining DuPont in 1950, Mr. Mees had 12 years' experience with the Royal Dutch Shell group, ranging from drilling to marketing to a management position in Venezuela.

With his broad experience as a producer and marketer of petroleum products, plus his intimate knowledge of world-wide oil operations, Mr. Mees has become well-known for his success in offering DuPont's extensive services and resources to help solve the problems of oil men on all continents.

RENATO S. CARDOSO, above right, as an export account manager, handles much of the world-wide contact work of the Petroleum Chemicals Division.

Brazilian-born Mr. Cardoso studied in schools in Spain and Portugal before entering Columbia University in New York. He then transferred to the University of Pennsylvania to study chemistry.

He joined the Export Division of DuPont in 1936, after working for a year at the General Chemical Company. During World War II he served with the Army Chemical Corps and returned to DuPont in 1946. He was as-

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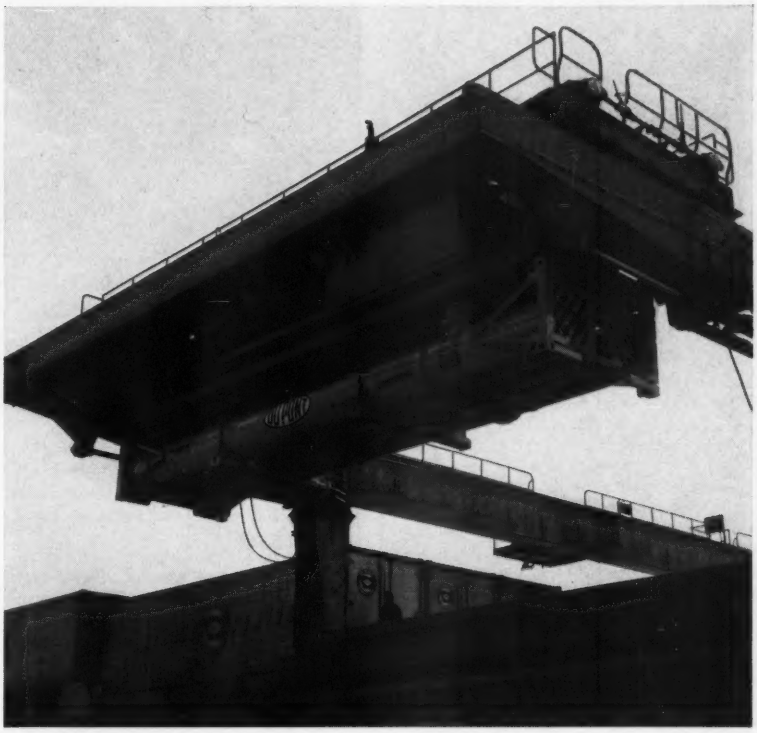


34,000-LB. CONTAINERS like these travel overseas. The one shown here is destined for Puerto Rico. All DuPont TEL sold overseas is made in the United States but not all ports can receive the containers shown, and drums are used in their place.

DuPont tetraethyl lead shipments are a familiar sight at Manaus, location of an oil refinery 1000 miles up the Amazon River . . . at Iquitos behind the Peruvian Andes . . . in all of Japan's refineries . . . and at dozens of other refineries throughout the world.

With TEL and with the many other DuPont petroleum additives sold overseas goes technical service similar to that enjoyed by refineries in the United States.

Generally, the service is of greatest importance. Like helping to design, test and start up TEL blending equipment. DuPont also trains plant personnel and keeps them up to date on such developments as dry dye eduction and DuPont's siphon starter.

Besides all this, there's routine servicing concerned with supplying basic technical literature and films and sales promotional material. Also, supervising the unloading of TEL and keeping it under close observation from manufacturing plant to blending plant. We furthermore take part in industry public relations and we cooperate with foreign governments insofar as public health is concerned.

If you'd like to know more about just what services are available and how they are obtained, please address Mr. Walter Mees, Export Sales Manager, DuPont Petroleum Chemicals Division, Wilmington 98, Delaware.

ADVERTISEMENT—Prepared for the Petroleum Chemicals Division of E. I. duPont deNemours & Company (Inc.)

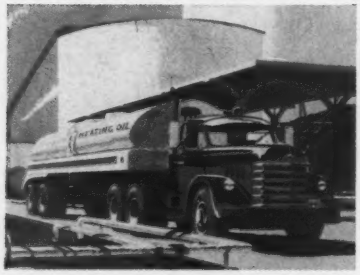
OVER

DU PONT *Petroleum Chemicals* NEWS

CONTINUED **Key Men**

signed to the Petroleum Chemicals Division at the beginning of this year. Mr. Cardoso speaks four languages.

Diesel fuels with FOA-2 and DMD stay stable, show no sludge



Small quantities of DuPont Fuel Oil Additive No. 2 and Metal Deactivator can keep a diesel locomotive's injectors sliding free and its filters unplugged even when a blend of economy grade oils is used for fuel.

Recent field tests in Texas showed that adding 1.5 pounds of FOA-2 and 0.05 pound of DMD per 1000 gallons of oil solved an injector sticking problem plaguing several makes of tractors.

In a second test in the same area, just half the amount of additive solved a problem of filter clogging and injector sticking in truck engines.

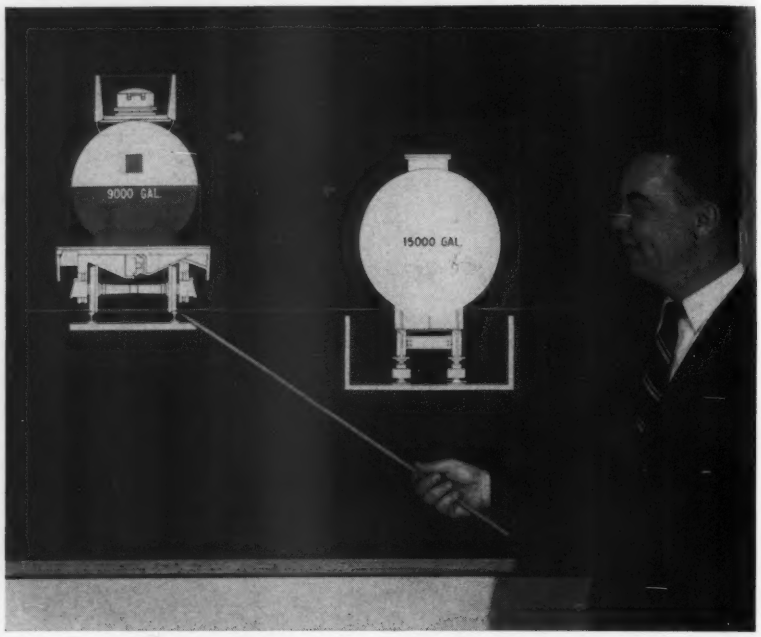
One company with a heavy-duty, high-speed diesel trucking fleet increased the life of its injectors two to three times simply by adding 1.25 pounds of FOA-2 to each 1000 gallons of fuel.

Your DuPont representative – his office is listed below, right – can fill you in on the details of both these DuPont additives. They are sold overseas as well as in the U.S.A.

Neoprene-modified asphalt roads show great promise in tests

Twelve different states are currently helping in tests involving roads laid with asphalt modified with DuPont neoprene synthetic rubber.

The new combination appears to do a better job of holding cover stone in place and preventing weather from breaking through to the roads' bases.



New flannel board gives cues on TEL tank car unloading

To help you evaluate TEL unloading procedures for optimum efficiency, DuPont has prepared a flannel board presentation which can simulate exactly actual plant conditions.

With the kit provided you can duplicate tank car size, size of weigh tank, and unloading line elevation in exact scale.

Calibrated cards show lift in inches Hg, vacuum needed for lift, and vacuum needed to start flow when you must overcome liquid pressure in the tank.

A slide rule shows quickly the rate of flow you can expect with a system, allowing for the variables of height, pipe friction, and pumping force.

If you're looking for a way to present such facts concisely and graphically to a group, contact the DuPont representative nearest you. His office is listed in the box below.

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Du Pont Tetraethyl Lead and other Petroleum Additives

OVER

ADVERTISEMENT—Prepared for the Petroleum Chemicals Division of E. I. du Pont de Nemours & Company (Inc.)

A-11370

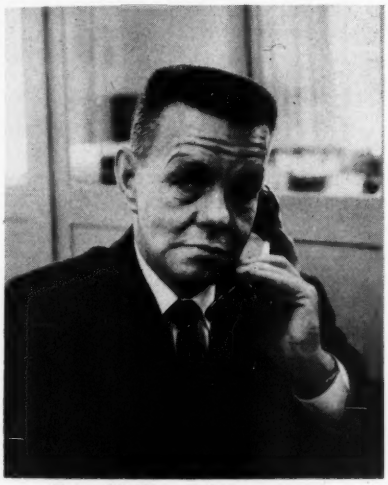
Printed in U.S.A.

nouncement of the process by U.O.P. in 1958.

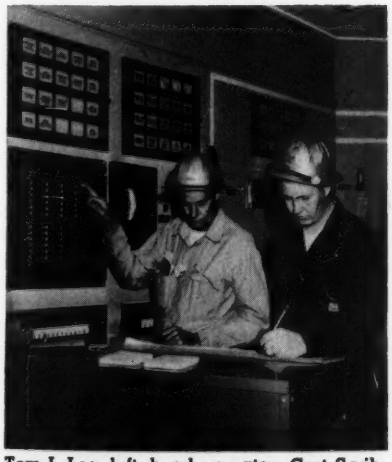
Cooling water for condensing and cooling loads is supplied by a fresh water circulating system and cooling towers, designed for a rate of 40,000 gallons a minute. Facilities also included a new electric power substation with two 12,000-volt feeders to the cracking plant unit.

The major units were completed by the Fluor Corporation well inside of a year, with Bruce McGee functioning as project manager, and Byron "Curly" Dahl as general superintendent of construction. They were ably aided in accomplishing this by Walt Hales, assistant general manager of manufacturing for Standard of Cal, and Howard Parker, a competent young engineer who acted as liaison engineer between the two companies.

An interesting aspect of the job was that the customary drab industrial colors were abandoned and the new facilities were painted in pastel shades, which is another indication of the current trend towards aestheticism in business.



Bruce McGee, project manager, Fluor Corporation.

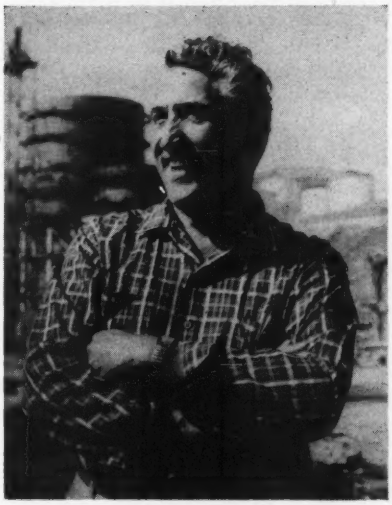


Tom J. Lee, left, head operator; Curt Scribner, right, control operator, shown checking reactor temperature controls.

Among those who will be responsible for the running of the new plant are John Hall, superintendent of the cracking division, an alumnus of University of California with a degree in electrical engineering, who began his career with Standard in 1936 as a junior engineer; Norm Schaeffer, foreman, a resourceful chap who built his own home, has traveled widely, and has become an expert in all the polysyllabic refinery processes during his 26 years with the company; Ivan Gilman, cracking division foreman, the proud father of four girls, likes photography and fishing, was graduated from University of Michigan, has been with the refinery staff for the past 11 years, and is thoroughly familiar with all species of cracking; Bill Miller, general foreman cracking division, graduated from and taught at Oregon State College, also built his own home, started his career at the Richmond refinery, and knows practically all there is to know about making useful commodities out of petroleum; and Bob Bowles, assistant superintendent of the cracking division, Cal Tech graduate, has three sons who are giving him a further education, eighteen years with the company, and still liking it.

Then there are Tom Lee, head operator, a webfoot, with two children, one of each; likes gardening, photography, and is a disciple of law and order; Curt Scribner, control operator, watchdog of the entire operation, known as the Robin Hood of Richmond because of his efficacy with the bow and arrow; Charlie Barker, cracking operator, attended Washington State University, started his career at Richmond, and loves to hunt and fish, favorite hunting is for places to fish; Lloyd Bogue, boiler operator, from down El Segundo way, a second generation Chevronite, and although he spent three years in the Navy, still likes boats; and last but by no means least, Cy Seibel, assistant cracking operator, began his Standard life as a gauger, but has since been exposed to every phase of the cracking business, lives in San Pablo, has a boy and a girl, and is a numismatic; that is, he collects coins, specifically recent American ones. With a staff like that, how could a fluid cracking plant fail to do its very best?

*Trademark



Byron "Curly" Dahl, general superintendent of construction, Fluor Corporation.

C. D. "Cy" Seibel shown checking pressure reading on main air blower.

C. W. "Charlie" Barker inspecting the instrument panel of main air blower.

Shell Chemical to Install Cobalt-60 Irradiation Unit

A cobalt-60 irradiation unit, a research tool used in radiation process studies, will be installed this month at Shell Chemical Corporation's Synthetic Rubber Division research laboratory at Torrance.

The new unit, represents another step by Shell to promote the scientific application of atomic energy, Dr. John Anderson, research director at the Torrance installation, said.

Dr. Anderson said the radiation derived from the cobalt-60 source will be utilized in the study of improved rubber and plastics products and the development of radiation-resistant products for use in atomic power plants.

The 20,000-curie unit is being shipped to Torrance by truck from Philadelphia according to standards specified by the United States Atomic Energy Commission and other responsible agencies.

The new facility will supplement an existing three million volt Van de Graaf accelerator already used by Shell Chemical's affiliate, Shell Development Company at Emeryville, Calif., in research activities for all Shell companies.

The cobalt source consists of 20,000 curies of radioactive cobalt which emits the gamma radiation necessary for experimental work. A curie is a measurement of the number of radioactive atoms disintegrating in one second in a given amount of radioisotope.

The cobalt-60 in the shipment weighs about two pounds and is enclosed in 13 tons of steel-covered lead shielding—a portable package unit designed and constructed in Philadelphia by Nuclear Systems, a division of the Budd Company.

George M. Uhl, M.D., Los Angeles city health officer, said recently that "Shell personnel are cooperating wholeheartedly with the Division of Occupational Health in complying with the provision of the City's toxic chemical ordinance which safeguards the handling of potentially dangerous substances."

"I wish to compliment the officials of Shell Chemical Corporation for efficiently planning with our department for the careful transportation and safe installation of Southern California's largest supply of cobalt-60 radio-active material," Uhl said.

Over 200 other industrial users of radioactive material are under Division of Occupational Health supervision, Uhl pointed out.

The unit will be installed in a specially constructed "exclusion room" adjacent to the recently completed radiation laboratory at the Torrance plant. Once installed, safety features will include special instruments, mechanical interlocks and alarms to assure safe operation of the unit.

Bandini to Acquire Assets Of Long Shot Oil Co.

Bandini Petroleum Company has entered into an agreement to acquire (in exchange for shares of its common stock), the assets of Long Shot Oil Company, Ltd., a Nevada corporation, which owns crude oil and natural gas producing properties in Texas and Oklahoma, it was announced by Wm. L. Boyer, Bandini president.

Long Shot Oil Company has producing properties in Foster Field and North Cowden Field in West Texas, oil and gas producing wells in the Rhodesa Field in Marian County in East Texas, and similar properties in the Gretchen Field in Young County in East Texas. The company also has acreage in Noble County, Oklahoma. At the present time properties owned by Long Shot Oil are producing approximately 360 barrels of oil and 746 mcf of gas per day.

A special meeting of Bandini stockholders has been called for August 19, 1959, to approve the transaction and also to vote upon an increase in the authorized common stock from 1,000,000 shares of $1 par value to 2,000,000 shares also of $1 par value. At the present time there are 720,000 shares of Bandini common stock outstanding.

"Acquisition of Long Shot Oil Co. will be advantageous in several ways to our company," the Bandini president stated. "Since all of Bandini's oil and gas producing properties are located in California, the addition of the Long Shot properties in Texas will provide greater diversification and less reliance on the single area for our company.

"Of particular importance is the fact that this combination of properties, financial resources and earnings potential contained in the two companies, will place Bandini in a much better position to take advantage of future opportunities for growth."

Tidewater Files Report With Dept. of Justice

Tidewater Oil Company has filed a report with the Department of Justice regarding its proposed merger with Skelly Oil Company, Tidewater president George F. Getty II, announced recently.

The Tidewater report contains the answers to 16 questions recently submitted to the company by the Department of Justice, according to Getty.

"We have made every effort," Getty said, "to provide the Department of Justice with a complete background on this proposed merger, and have requested an opportunity to confer with Department representatives about the merger."

The answers provided by Tidewater cover not only the history of the company's merger talks with Skelly Oil Company, according to Getty, but outline in detail for the Department of Justice all the major aspects of Tidewater's operations.

National Supply Co. Consolidates Operations

Plants of The National Supply Company at Gainesville and Houston, Texas; Torrance, Calif., and Ambridge, Pa., will take on additional operations as a result of a decision to close the company's plant at Toledo, Ohio.

E. G. Unrath, vice president of manufacturing, said the changes will bring the operations closer to large numbers of oil field customers. Transfer of machinery from the Toledo plant will begin on September 1, and will be completed by September 30.

The company's Torrance, Calif., plant will take over the production of small and medium-sized drilling rigs, now being made in Toledo. The Toledo rigs range from the T-8, for drilling in the 1,000 to 2,000-foot depth, to the T-45, for the 4,500 to 7,500-foot depth. Included is the Type 4-10 Helicopter Rig, designed so that it can be sectionalized into loads weighing 4,000 pounds or less for transportation by helicopter. Both the T-45 and the 4-10 were introduced at the recent International Petroleum Exposition.

Traditionally the Torrance plant has made all the company's larger rigs, which now range from the Type 55, for depths from 6,000 to 9,000 feet, to the Type 1625-DE, for depths from 16,000 to 25,000 feet.

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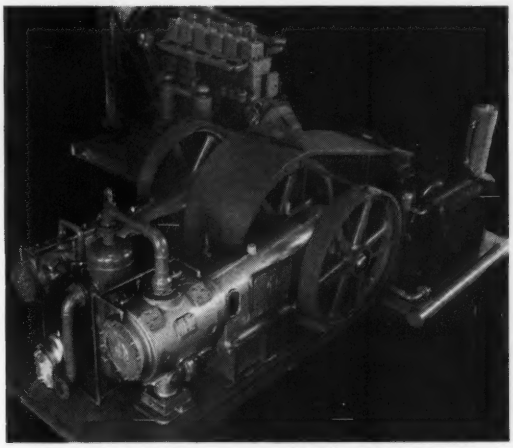
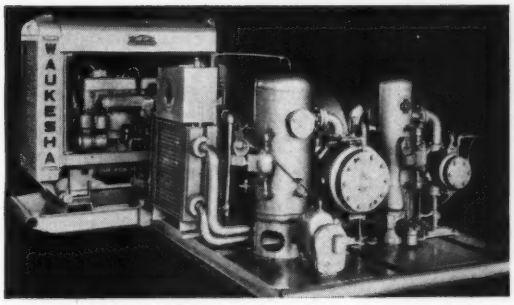
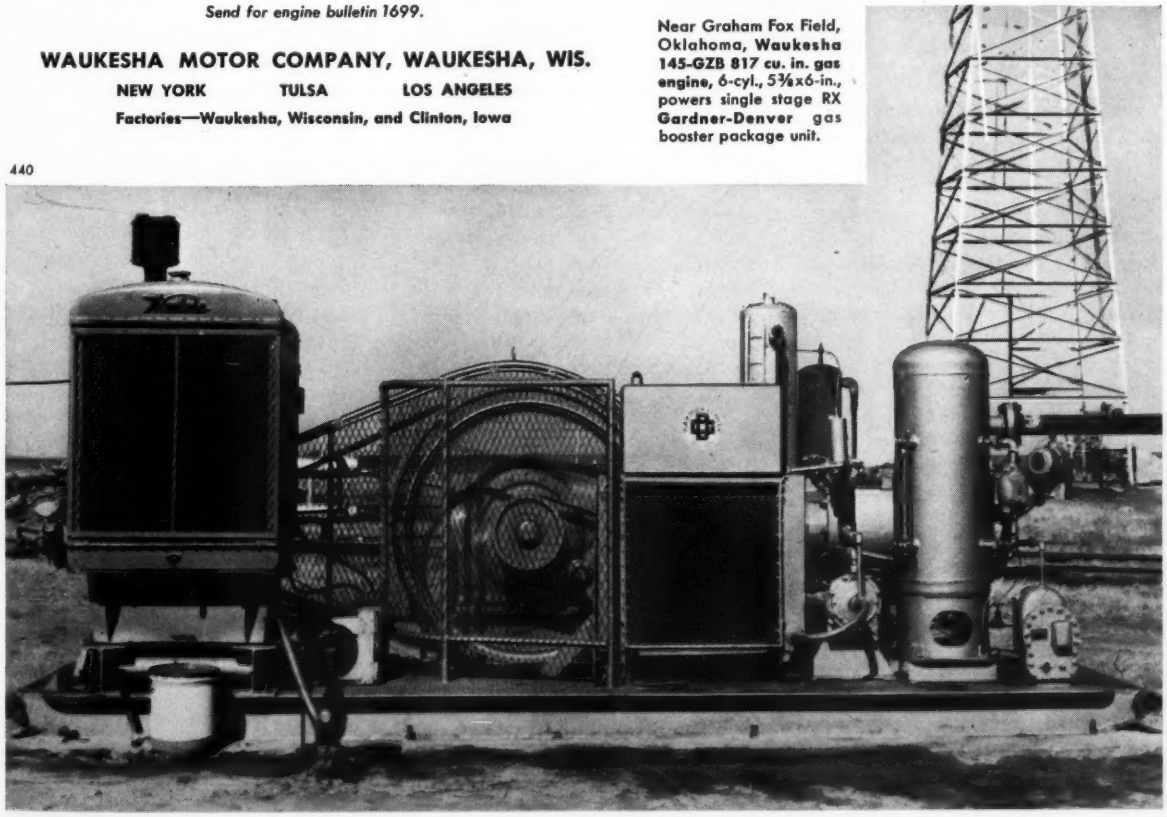


Waukesha LRORB 2894 cu. in. gas engine, 6-cyl., 8½ x 8½-in., powers 2-stage RX **Gardner-Denver** gas booster package unit.



Waukesha WAKB 1197 cu. in. gas engine, 6-cyl., 6¼ x 6½-in., powers 2-stage RX **Gardner-Denver** gas booster package unit.

Near Graham Fox Field, Oklahoma, **Waukesha 145-GZB 817 cu. in. gas engine,** 6-cyl., 5⅜x6-in., powers single stage RX **Gardner-Denver** gas booster package unit.



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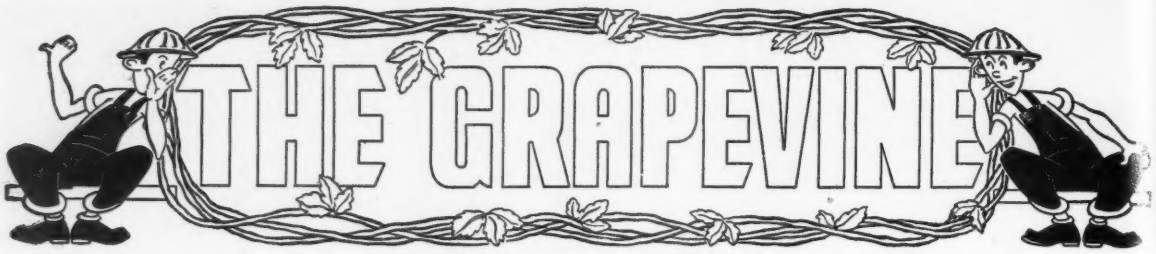

By RICHARD SNEDDON

Tuning In

It fell upon a recent noontime that while we were faithfully performing our duties as janitor-in-chief of the Petroleum Club of Los Angeles, we were requested by Reginald McHarrie Keans, the part Caledonian chairman of the house committee, also a high echelon procurer of lands, leases, and variegated concessions, to investigate sounds of ribaldry and raucousness that were shattering the normal quiet of what has become famed as a dignified and decorous oil men's retreat. No one was being disturbed and Reg was either just curious or jealous. Anyway, by tuning in our radar at right angles to the sound waves and then gradually inching towards the point of maximum disturbance, we presently found ourself in the center of a group of yarn weavers who were having a ball.

The Run Down

Among them were club president, Dudley Tower, apparent chairman of this impromptu caucus; Jim McNeill, president of Sapphire Petroleum Co., and purported originator of the expression, "Lo deah Sapphiah!"; Jim Kelley, ex-prexy of the Club, Hillman Kelley partner, and one of the greatest accumulators of oilfield and distantly related folklore west of Boyle Heights; Spike Oliphant, the Hughes Tool ambassador of good cheer, late of Waikiki, just getting used once more to the humdrum of life on the mainland without the waving of grass skirts, the plaintive wailing of steel guitars, and the ceremoniousness of the luau; Dave Carnahan, the handsome and much traveled sales chief of Pacific Wire Rope Company; Basil Kantzer who looks after Union Oil Company's interests in Houston, Texas, and between times a noted artist and ceramist; Walt Parker, the Coast Exploration Company executive with the boisterous chuckle; and Sid Elliott, manager of lands and leases for the Hale enterprises.

Cause of the Commotion

As nearly as we could tell, the purpose of this conventicle was to entertain Sid, who by the time we arrived had laughed himself into a stage where it actually hurt him to cackle further, and the session was halted to spare him some serious internal disintegration. Referring back to Walt Parker, his spontaneous laughter always reminds us of P. A. Wodehouse's remark that when he was younger he had a terrifically booming laugh. He said it was "just like one of these gas explosions in which six people are killed." Sorry we can't reveal the stories that caused all the commotion but if you are eager to hear them we would suggest that you send a stamped addressed envelope and a substantial amount of late American currency to the chairman and maybe he will reply. Who knows?

We Attend the Oil Club

Speaker at the Oil Club meeting on the first Monday in August was our good friend, Glenn Davis, the famed Army gridster, who is now something of an oil man. Glenn showed an excellent motion picture of the highlights of the Rams' 1958 season and then laid himself open to a barrage of questions that he handled in top shape. He was showered with queries on all phases of football history, techniques, and personalities, and he emerged from the ordeal *cum laude* and clean as the proverbial whistle. It was an interesting evening which as the guest of Bob Stein, one of our more reputable consultants, deputizing for Art White, Socony's top purveyor of pigments and vehicles, we thoroughly enjoyed. For this concession, of course, we will no doubt later pay in hard Caledonian cash via the domino route. Pete Gardett, the brush-topped consulting chap, is currently president of the Oil Club and he handled the gavel with the same neatness and dispatch as he plays a counting double five.

Among those Present

Picking up the loose change regardless of sporadic protests was Jack Mills, the Sunray Midcontinent land department contract expert, who appears to be secretary treasurer of the organization; and also sitting with the high brass was Tom Sherman, the dapper Huntington State executive, a very pleasant person normally but a serious evaluator of the known data in any form of speculative enterprise. Tom was entertainment chairman, and following a few preliminaries he introduced Glenn and got the show on the road. These Oil Club members are about as uninhibited and insistent a group of interrogators as we have had since the days of the Spanish inquisition. Present at this particular fiesta were Bob Smith, the La Canada barrister, not altogether severed but now back in private practice after a prolonged session as legal counsellor for Sunray; and Paul Broxon, a ditto ditto from Monrovia who keeps Western Gulf Oil Company free of entangling alliances and circumstances.

Also on Hand

Also present were Dean Walling, the mathematical genius from Western Geophysical who knows by the behavior of a domino player what rock he is going to lay down three plays hence; Ed Bedford, former Western Gulf land chief, now a prosperous divot raiser; Frank Carter, exploration whiz for G. P., who dilates entertainingly on the adventures of two well known Japanese gentlemen; Francis Minshall, geological higher-up for Conoco, a fellow Glendalian and a sharpie at manipulating the freckled tiles; and Paul Andrews, the likable P. P. P. historian. On the subject of history, did you know that the name Paul is from the Latin *paulus*, "little," more in the sense of modest than small. St. Paul, for example, is supposed to have assumed the name to show that he considered himself the least of the apostles. In Paul Andrews' case the name fits—he is a modest chap, too.

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Still They Come

Others seen or heard during the evening were Wilbur Rankin, specialist in uvigerina, globigerina, and gin rummy; John Kilkenny, Union's always pleasant high ranking geologist; Duke Follansbee, the Universal Consolidated veep who probably knows more about football than any other nonplayer; Fred Vandenberg, chief geologist of Kern Oil of California, also well informed on the speckled-type rocks; Lowry Wadsworth, widely known and much admired G. P. petroleum engineer; Harvey Lee, one of our associates in Union's research lab just prior to the Civil War; Hal Acres, chief engineer for Sunray Midcontinent and very nice people; John Loofbourow, sparsely thatched but thoroughly competent and very companionable Richfield explorationist; Ev Peasley, Sunray Midcontinent oil finder who has a storybook background we expect to reveal one of these days; Jim Leovy, the retired Western Gulf attorney, currently living luxuriously on his means; Roger Williams, a younger member of Western Gulf's legal staff who is somewhat distressed because he is being impersonated all over the country by a piano player; Russ Simonson, Ohio Oil Company geologist who has tried by illicit means on several occasions to get his fingers on some of the Snedderhorn hoard; Bob Johnston, division geologist for Western Gulf, a modest but very capable chap; Jim Benzley of the same, one of the workhorses of the Oil Club, a chap who makes himself easy to know and is hence easy to like; Elmer DeMaris, manager of petroleum engineering for G. P., and a nasty in a cribbage game: Milt Whittaker, resident engineer for the same, also very familiar with the five multiples and the theory of probabilities; and last but by no means least, John McMillan, executive vice-president of Monterey Oil Company, big game fisherman, actor, fine master of ceremonies, and accomplished in many ways, but when it comes to his "auld breeks," it is his "mither" who has to mend them.

Euclid Vance Stops By

We had a surprise visit not long ago from Jim Watts now, of course, with Socony Mobil in New York and we never see Jim that we don't start thinking of his real moniker, Euclid Vance, which would be a dandy name for a mathematical detective in a TV series. Old man Euclid was a Greek mathematical hotshot who lived about 300 B. C., wrote 13 books full of theorems, propositions, axioms, and postulates and he has made a terrific scad of young people thoroughly miserable between 300 B. C. and 1959 A. D. Philo Vance was a sharp cookie in the detecting business, created as the principal character in a fiction string by S. S. Van Dyne. Being something of a detective ourself we have discovered that there was no such person as S. S. Van Dyne. This was simply the pseudonym, or fake name, of a writing chap called Willard Huntington Wright.

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Literally, Lufkin now covers the waterfront — the Pacific Coast waterfront, Seattle, Portland, San Francisco, Los Angeles. Mainly devoted to oil field sales until 1948, the Pacific Coast Division was formerly referred to as the California District.

Since 1948, the Pacific Coast Division entered into more diversified activities, and especially, industrial gearing.

To implement this growth, the company approved the appointment of J. W. Minder Chain & Gear Company, our Portland representatives, in 1950.

Late in 1958, a Seattle concern, Marine & Industrial Supply Company, was selected to cover Washington, Southern British Columbia, and with representation in Alaska.

These two well known and reliable firms maintain contact with leading industrial plants throughout the Northwest, such as lumber, paper, pulp mills, refineries, aluminum, aircraft, hydroelectric projects, marine operators and the like.

Industrial San Francisco and Oakland Bay Area is covered by Lufkin out of Los Angeles headquarters.

In the comparatively brief period since Lufkin's entry into the gear field, industry on the Pacific Coast has indeed responded with enthusiastic acceptance — acceptance which the petroleum industry has long given to make Lufkin Pumping Units the national criteria of comparison.

Lufkin FOUNDRY & MACHINE COMPANY

Speaking of Names

The late Herb Reed, widely known Standard of Cal. land man, probably never dreamed when he consistently ordered a special type of hamburger lunch in the Petroleum Club of Los Angeles that he was perpetuating his own name. The dish became known as the "Reed Special" and to this day is the most popular dish on the Club menu. We have even had a call from one of the Eastern States asking for the recipe. It is being given a good run by the Schillinger Special which is another variation on the hamburger theme fashioned in the fertile mind of Jack Schillinger, assistant manager of G. P.'s right-of-way department, whose name in consequence is figuratively and actually often on the tongues of some of our very best citizens.

Hibernian Saga

Jack's boss, Dan Collins, is an interesting chap who is as Irish as Ballysloughguttery Castle and he is very irate over the changing of that lovely old ballad, "The Londonderry Air" to Danny Boy, even if it does give him some free advertising. However, in spite of his indignation we note that he has a tendency to do some altering on his own. We have caught him several times singing sort of *sotto voce* a classical Irish come-all-ye that we used to pipe in our younger days. It is known as "Phil the Fluter's Ball" and if we are not going slightly deaf, we could swear that his version was as follows:

"With a toot on the flute
And a twiddle on the fiddle
Up and down the middle
Like a herrin' on a griddle
Right foot, left foot
Or any foot at all
Oh hadn't we the gaiety
At Phil Magruder's ball."

More About Monikers

The Collins name has been immortalized by a pair of ingenious members

of the tribe who concocted the popular summer potions, John Collins and Tom Collins. We are not familiar with the ingredients for these but it is our observation that they have a tendency to make people feel brave, rich, and generally terrific until the following morning, when they feel cowardly, poor, and quite insignificant. On the same subject, Courtney Owens, the Pauley higher-up will be interested to learn that according to certain experts in such matters, Courtney is an adaptation of the French *court nez,* meaning "short nose." It is believed by them to have been first conferred as a mark of honor on William of Orange when he had a piece of his schnoz sliced off by a Saracen soldier in a sword fight during the Crusades. It really has nothing to do with the subject but those of us who knew William of Orange more intimately always referred to him as Citrus Bill. Don McGregor, another imposing attache of the Pauley petroleum empire, may be staggered to learn that in 1603, over in Scotland, so many sheep stealers adopted the name McGregor that it was abolished by act of parliament. It was legally off-again on-again until some time in the 18th century when sheep stealing was agreed to be the heinous offense and not the names of the people who practiced it. Now, of course, anyone who casts asparagus on the proud name McGregor is regarded as a *gutename schmearenkind schlemihl,* which we certainly defy anyone to prove.

Minckler Completes 35 Years

By the way, the G. P. has been pretty much in our news this issue and we haven't finished yet. While we were foraging about the Palace of Pegasus, we should have mentioned that President Bob Minckler, the man who directs the jet-like peregrinations of the space-type bobtail, is celebrating his 35th year with the Company, and from where we sit they have certainly been productive years. We can remember meeting Bob Minckler probably 25 years ago or more at the Petroleum Accountants' Society Meetings. This was when Roy Hornidge, Fero Williams, and Dave Kilgour were still around. He was even then a studious sort of person with a profound regard for rationality, and a marked flair for statistical projection. Meantime, nurtured by opportunity and a natural business acumen, he has blossomed in a remarkable way. He is now without question one of the best informed executives in the west on the general subject of economics; he has a photographic mind that enables him to absorb the most complex information at a single reading; he constructs and writes his own speeches; and he delivers them lucidly and earnestly, appropriately interspersed with just the right measure of humor to make them completely palatable to little people like ourself, and yet to carry a message of import to those who sit in high places. He has an instinctive feel for what one English scholar fittingly termed "architectonics" and it is always a real pleasure to listen to him. Someone did a mighty fine bit of projecting, consciously or otherwise, when they hired Bob Minckler as an accountant back yonder in 1924. We had intended to congratulate him on the completion of his 35th year. Now, however, we offer our congratulations to General Petroleum Corporation.

Neil Needham Dies

On a sad note, we pay our respects to Neil Needham, long time General Petroleum's manager of lands and leases, who died recently at the age

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of 70. Neil had been retired for quite a number of years but there was a considerable span in his life when he was certainly one of the best known oil men in California. His hobby seemed to be books, popular or classic, preferably the former. We can remember some ten or fifteen years ago visiting him at his home over on Briarcliff Road and rummaging through a most exciting library. He had in his collection a file of the Wilkesbarre (Pa.) Advertiser, covering the years 1813 to 1815, inclusive, in which we found some real gems to add to our notes. An announcement from the proprietor of the Swiftsure Stage Lines running from Wilkesbarre to Painted Post, New York, for example, read as follows: "The driving, I have the pleasure to assure the public, will be in the best style, as I drive myself, and am always sober, yet am a merry fellow on the road." In a later issue an advertisement run by the Baker Company of Philadelphia, makes it known that the firm "buys and sells white and black boys," which would seem to indicate that the Philadelphia slave traffic did not draw the color line. These literary oddities Neil loved. He was the son of Mr. and Mrs. H. Clay Needham, a family which had acquired substantial acreage in the Newhall area. Part of this was sold many years ago to a Petroleum Pioneers Society that still holds title but now seems to exist in name only.

End of an Era

Neil was a genial soul with an unquenchable sense of humor, and his friends are legion. His passing comes close to marking the end of a distinctive phase in the evolution of petroleum processes and techniques. He was a pioneer in the art of acquiring lands and leases at a time when it was much more of an individual responsibility than it is now and by all accounts he was a decided success. In the beginning he devised his own methods and procedures and there is no doubt that in his own field Neil Needham made a worthwhile contribution to petroleum history. He was always held in the greatest respect by his competitors and that is about the highest praise a business man can receive. We salute another pioneer, and to Mrs. Needham and the members of their immediate family we extend our most sincere sympathy!

Petroleum Club Revamping

According to Dudley Tower, president of the Petroleum Club of Los Angeles, an extension of the existing lease has been arranged with the Statler Hilton Hotel. Under the terms of the new agreement, the Club will remain in its present quarters on the ballroom floor of the Statler for six years dating from May 1, 1959. In view of this fact, a contract has been awarded to Coles of La Jolla to give the Club quarters a real face lifting. The redecoration and such structural work as is also contemplated will be carried out under the direction of a special committee consisting of Reg Keans of Keans, Stipek, and Springmann; Bob Smith, oil attorney; and Wally Mitchell, Tidewater Oil Company executive. Work has already begun and the entire project is expected to be completed in about eight weeks. The Petroleum Club of Los Angeles is a popular retreat for oil men of Southern California and has exchange privileges with some 16 other petroleum clubs in all parts of the country; indeed, it is constantly visited by executives from every oil center in the United States and from foreign fields everywhere. It is by all means one of the city's most cosmopolitan institutions.

Pioneers Plan Meeting

The fall barbecue of Petroleum Production Pioneers will be held at Camp Comfort, Ventura, on Saturday, September 12, 1959, it has been announced by O. W. "Bill" Chonette, Texaco's production biggie, and current president of P. P. P. This is to be a very special affair, featuring first the installation of a plaque at Shell's Clubhouse on Ventura Avenue at 2 p.m., to commemorate the part played by the late B. H. Van der Linden in the development of the Ventura Avenue oil field, and the institution of what was believed to be the industry's first petroleum engineering department. This historical event was arranged by Paul Andrews and it is expected that Sam Bowlby will make the speech of acceptance and that civic and state dignitaries will take part in the proceedings. After the ceremony the pioneers will move on to Camp Comfort for their usual cocktail session and barbecue.

The Final Word

By way of last minute roundup, we had a visit the other day from Charlie Barnes, a nice young fellow from Anchorage, Alaska. Didn't have too much time to talk to him but believe he runs some sort of scouting service up there in the hinterland. He was the first delegate to our Club from the Petroleum Club of Anchorage. Hugh Gribbin is recovering nicely at home after one of these disc operations. Al Truett of Tubesales will fill the bill for him at the P. P. P. get-together. Congratulations to Warren Hillgren who has just climbed another rung up the Tidewater ladder of success! The G. P. purchasing department stag barbecue and general assembly of Friday Noonners will take place at Barneson Park in Brea Canyon on September 26, 1959. This is one of the Bill Beck enterprises that was spearheaded very capably for many years by the late E. E. Wood. In fact, it became widely known as Woody's Barbecue. It is a great place to see an interesting congregation of oil men—probably the last chance you'll have this year to see George Trembley out of a golf cart.

Still Later

We are sure happy to note that Tony Endres has been officially named to succeed Wally Curtis as manager of public relations for G. P. Tony, besides being the right man for the assignment, is just a real nice guy and it's always good to see nice people get earned recognition. Tom Barrington is feeling as chipper as could be following an exploration that revealed he was still disgustingly healthy. Since Charlie Perkins' photo appeared in Fortune, Time, Life, and a hundred and one magazines throughout the country, he has been getting more mail than Elvis Presley and it looks as if Los Nietos may become one of the country's leading vacation resorts. We hear tell that Roy Johnson, the New Joisey beatnik, is coming out here this fall and we sure hope it is true. Us cats has sure been moanin', man, since he up an' lef'. Bob Wire, the Loffland Brothers Drilling executive was in town the other day and we wondered what it was all about until up strolled John Marcellus Grant, sporting a new gold wrist watch, carrying an inscription that commemorates 25 years with the big drilling firm. John is a chap who shows less sign of age than anyone we know. He still has the schoolboy complexion, is one of the best dressed men in the drilling industry, and has more B. T. U.'s than a can of T. N. T. Another pair of distinguished visitors who slipped in and out of town almost unnoticed recently were Albert Nickerson, president of Socony Mobil, and Herbert Willetts, president of Mobil Oil, both of New York. Wherewith we leave you to your own devices. Cheerio!

June and July Imports District V

The Oil Import Administrator reports that quota imports of crude and unfinished oils into District V in June totalled 243,075 b/d, plus 41,243 b/d of Canadian exempt imports, making a grand total of 284,318 b/d. At that time, the District V quota was 221,000 b/d.

Under the import policy for District V—that imports only make up the difference between domestic supply and demand—and on the assumption that 221,000 b/d of imports would have accomplished that purpose, it is apparent that the total in June was excessive by 63,218 b/d. Not including the exempt Canadian imports, the excess was 21,975 b/d.

July crude allocations, after the deduction of approximately 23,000 b/d for Canadian imports, are 233,000 b/d, out of a total allocation of 265,500 b/d for crude and products. However, it appears that exempt Canadian crude may average about 64,000 b/d in July. If all companies utilize their full quotas, the July total will then approach 286,000 b/d.

Final figures for the month have not

yet been reported. It appears, however, that present import rates are in excess of those required to make up the difference between domestic supply and demand.

Scholarships Announced By Schlumberger Foundation

Forty young scientists are being helped to get an education in 1959-60 through $58,200 in scholarship and fellowship grants made by the Schlumberger Foundation of Houston, a spokesman states.

Seven of these grants were followships for graduate study. They are worth $1,800 each to the students and $1,800 more to their universities, for a total of $25,200.

Thirty-three of these grants were scholarships for undergraduate study. These are worth $500 each to the students and $500 more to their universities for a total of $33,000. The scholarship grants are known as Schlumberger Collegiate Awards.

The Schlumberger Foundation makes its grants annually to universities and colleges throughout the U. S. as selected by its Board of Managers. Junior or senior students majoring in engineering or science courses are eligible for scholarships; graduate engineers or scientists pursuing advanced studies are eligible for fellowships. Scholarship committees in the selected universities choose the students who receive the scholarships.

The Schlumberger Foundation is a nonprofit organization established in 1954 by the Schlumberger Well Surveying Corporation and Pierre Schlumberger, president of Schlumberger, Limited, of Houston, Texas. Colleges have complete discretion in choosing and guiding the award recipients.

A Scholarship was granted to: The University of California at Los Angeles—Gary Lee Thomas, Route 2, Box 1078, Oakdale, California, Senior in Electrical Engineering.

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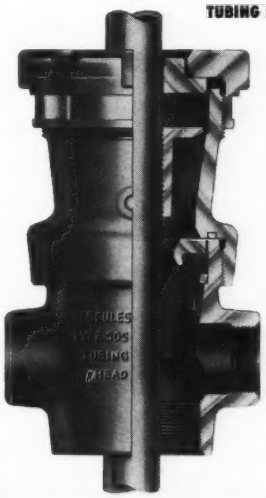
Hercules "Type SOS" is a 4000 pound test stripper tubing head. The lower section contains the neoprene tubing stripper, the upper section or bowl contains the slips and packing arrangement. The SOS is unsurpassed for use in well serving operations in addition to its use in flowing wells.



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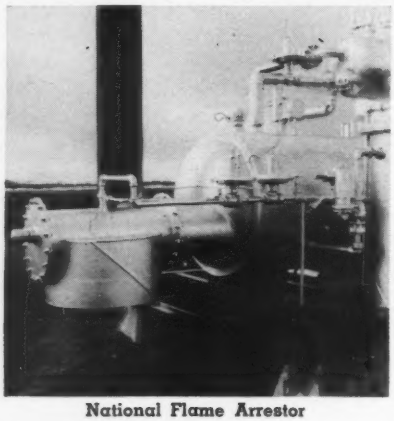


National Flame Arrestor

National Offers Flame Arrestors

National Flame Arrestors, designed to stop all flame propagation outside of firetubes, are being offered by National Tank Company of Tulsa, Oklahoma, to provide additional safety protection for field personnel and lease property.

The units are of welded, heavy steel construction and will withstand any explosion inside the tube as well and prevent any flash from going through the element.

National Arrestors have been laboratory and field tested over a long period of time under extreme climatic conditions. The units are in service on offshore platforms in the Gulf with hurricanes, rain, wind and salt spray; and in Canada with snow, ice and wind and temperatures as low as —50°.

National Flame Arrestors are available in two types for installation on all existing fired production equipment. Both types can be supplied with push-button pilot lighters or the automatic robot pilot. The push-button model enables the lease operator to manually light the pilot in the firetube with no danger of flash back or explosion. The automatic robot model will automatically light the pilot with no attending personnel and will automatically shut off the gas supply in case of failure of any part of the burner system.

Halliburton Pneumatic Mud Transports Purchased By Kaffie Bulk Barites

Halliburton Oil Well Cementing Co. is now delivering a series of truck transports equipped with Halliburton pneumatic bulk material handling system to a major Gulf Coast mud marketer, Kaffie Lumber and Barites, Inc., of Corpus Christi.

This is the first sale of Halliburton pneumatic bulk transports for over-the-road hauling and well site pneumatic delivery of bulk muds.

These body truck transports and semi-trailers equipped with the same pneumatic system are replacing conventional mechanical and hydraulic bulk handling systems. The reasons for this include:

"Full capacity delivery" . . . the system completely empties the pressure vessel of its contents and also minimizes contamination problems. High delivery rate of 25 or more sacks per minute. Virtually no maintenance because there are no moving parts. Extreme flexibility in discharging material to any height storage plus simplified hose discharge especially useful at difficult locations. Finely divided dry materials can be handled by the system in addition to many pelletized materials.

According to Glenn Pate, manager of Kaffie's bulk materials division, the Halliburton transports will be used for delivery of bulk mud materials from Kaffie's 22 yards along the lower Texas Gulf Coast and Rio Grande Valley.

New Threadless Fittings For Low Pressure Pipe

Operators using new Green Triangle Telsco threadless fittings report sizeable savings in installation time and expense for low pressure pipe applications. These savings are due to the unique design of Continental-Emsco's new fitting that needs no special tools for installation and no special preparation of the pipe such as threading, grooving, flaring or soldering.

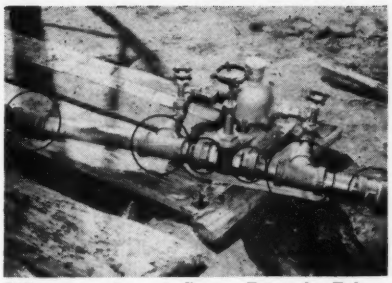
Reduced labor costs result in further savings in installation costs. Since the new fittings eliminate time consuming pipe threading and special preparation, a one or two man

Kaffie Lumber and Barites, Inc., is putting into service a series of these bulk mud transports equipped with Halliburton Oil Well Cementing Co.'s pneumatic handling system.

crew can hook up a complete system faster than a three man or larger crew with common threaded fittings. The fittings and the pipe are salvageable and can be used over again.

Field tests have proven that in using thin wall pipe with Green Triangle fittings most operators can save up to fourteen dollars per hundred feet in hooking up lines.

Threading and grooving operations were eliminated with the Green Triangle Telsco threadless fitting by the use of an internal clutch ring and special rubber gaskets. Tight and strong connections are made by simply slipping the fitting over the ends of the pipe and tightening the end nuts. Tightening these unit nuts causes the thread-like serrations of an internal clutch ring to bite into the pipe so that the fitting holds at traction forces ranging from 1450 to 3600 pounds. Compression of the gasket by the clutch ring completes the seal. These new fittings allow for misalignment in the joints in long strings of pipe and the pipe ends need not be cut exactly square. These fittings can also be used on pipe that is already



Different styles of Green Triangle Telsco Fittings on field water line in Oklahoma. Thoroughly field tested and proven, these new fittings quickly make up without use of special tools or special preparation of pipe.

threaded or grooved and old pipe that is pitted.

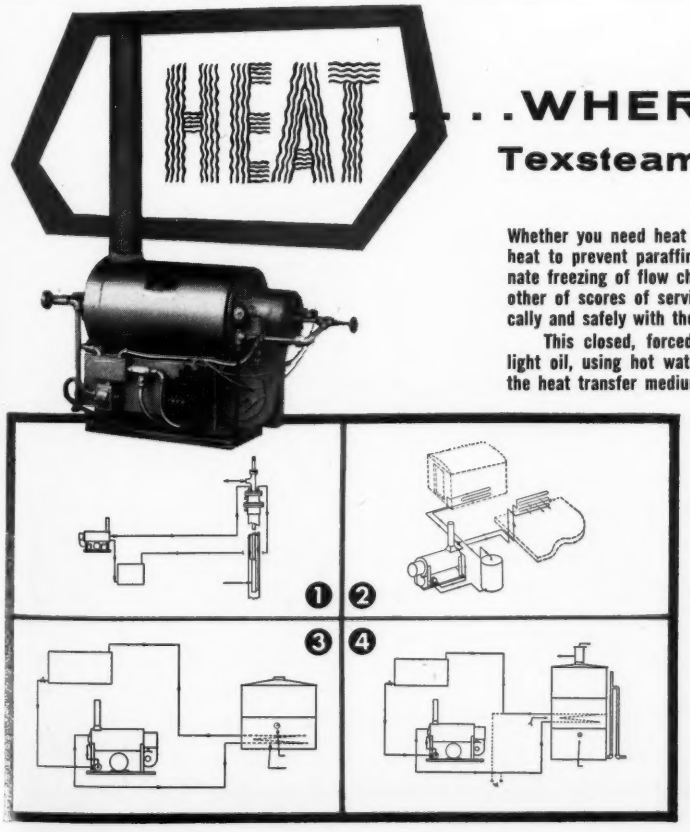
Continental-Emsco's new Green Triangle Telsco threadless fittings are made from malleable iron in a wide variety of types and in sizes from ½" to 2". The fittings work equally well on all I.P.S. dimension pipe whether regular steel, thin wall, aluminum, copper, Fibercast or any type of plastic pipe. Working pressure ranges at the maximum from 300 p.s.i. for the 2" fitting to 1000 p.s.i. for the ½" fitting and offers an average safety factor of 4 to 1. The new fittings are stocked throughout the oil country by Continental-Emsco.

UOP Announces Catalyst For Hydrogen Treating

Universal Oil Products Company has announced commercial availability of a new catalyst, designated as Type S-4 Hydrobon, for use in Unifining and Hydrobon processes.

This new nickel-containing catalyst is specifically designed to give superior results in the pretreatment of catalytic reforming feedstocks for containment removal, especially nitrogen and sulfur. It can also be used in the treatment of intermediate oils for improved color, storage stability and sulfur reduction. The new catalyst is fully regenerable.

Type S-4 has several advantages as compared with similar types previously used, according to UOP. The new catalyst's activity in nitrogen removal is almost twice that of the earlier catalysts. Increased nitrogen removal from feedstocks gives definite improvements in catalytic reforming. Increased activity in sulfur removal results in improved product quality, even when processing poorer grades of feed stocks, UOP pointed out.



HEAT . . .WHERE YOU NEED IT

Texsteam BTU Thermal Unit

Whether you need heat in the bottom of a well or the bottom of a stock tank . . . heat to prevent paraffin or asphalt deposits in tubing and flow lines . . . to eliminate freezing of flow chokes on gas wells . . . for heater-treater installations or any other of scores of services in the oil fields, you'll get it more efficiently, economically and safely with the Texsteam BTU Thermal Unit.

This closed, forced circulation heater may be fired with natural gas, LPG or light oil, using hot water, steam, oil or a combination of water and soluble oil as the heat transfer medium. It can be furnished with electric motor or gasoline engine drive; with electric or mechanical controls. It is completely unitized and skid mounted . . . wired and test fired before shipping.

Be sure to get complete information on the Texsteam BTU Thermal Unit before specifying any type of heat transfer installation. Ask your Texsteam representative or write for bulletin.

1. BOTTOMHOLE HEATING 2. RIG AND BUILDING HEATING 3. STOCK TANK HEATING 4. HEATER-TREATER SYSTEMS

TEXSTEAM Corporation

A SUBSIDIARY OF VAPOR HEATING CORPORATION

320 Hughes St. • P. O. Box 9127 • Houston 11, Texas • Phone WA 6-9853

New Pressure Gauge Series Available from Marsh

A new series of extremely accurate pressure gauges, known as the "Master-test" line, has been announced by Marsh Instrument Company, Skokie, Illinois. Made in all standard pressure ranges, and in compound and vacuum types, the new series of gauges are individually dead-weight tested and guaranteed accurate within ¼ of 1% plus or minus of the maximum dial reading over the entire range. This high degree of accuracy has been developed to meet today's exacting demand of industry for laboratory and similar critical uses.

To assure accuracy of reading in keeping with the greater accuracy of the instruments a new type of dial, called the "Read-easy" dial has been developed in which an inner arc shows major marking and an outer mark shows the finer graduations—a new type of scale (patent pending) which permits the gauge to be read with the accuracy of a caliper rule.

Further reading accuracy is obtained by three reading methods—a twin-tip or gun-sight pointer; a new type of mirror scale and a new "Non-parallax" dial from which the observer always obtains a correct reading even when the dial is read at an angle.

Any of these designs are available in all "Master-test" gauges in sizes 4½", 6" and 8" in a wide range of case patterns. The complete line is covered in a 20 page bulletin available from the manufacturer.

New Transistorized Portable Seismic System

SIE (Southwestern Industrial Electronics Co.) a division of Dresser Industries, Inc., announces the introduction of its new PMR-20 seismic system. The SIE PMR-20 Portable FM Magnetic Recording System is a 24 channel transistorized system complete in two compact, lightweight units. It provides high-fidelity frequency modulated recordings on standard SIE magnetic tapes from the output of standard geophysical amplifiers.

The system consists of two units —the 30 lbs. MR-20 transport, housing the recording drum, drive system and fixed or movable recording heads and the 40 lb. MU-20 Master Unit, in which the modulators, demodulators and auxiliary electronics are contained. Each unit contains its own transistorized power supply. In addition to the twenty-four seismic channels, information channels for time-break, uphole, noise cancelling and 100 cps timing reference are also included. Recording and playback modulation levels are read directly from a panel meter and all record-playback switching functions are accomplished from a single front panel switch.

The PMR-20 uses FM recording to provide an exceptionally high signal-to-noise ratio (60 db, rms) and wide frequency response (1 to 500 cps), assuring maximum reproduction flexibility and eliminating effects of tape imperfections and irregularities. In the PMR-20, all the low noise level, low distortion (less than 1%), high timing-accuracy (0.2 ms ± lms) characteristics are combined with additional features to produce a portable, low power-drain (12 vdc, 7 amp), lightweight, low bulk system of outstanding field dependability and simplicity.

New Tungsten Carbide Core Head

Jointly announced by Frank Christensen, president of Christensen Diamond Products Company, and A. J. Muhlbach, president of Mercury Oil Tool Company, is the development of a new tungsten carbide core head, especially designed for fast drilling in soft formations, with maximum core recovery, and exceptionally long life.

The Mercury T.C. Core Head, as it has been designated, is ground to exacting inside and outside diameters, is heavily impregnated with tungsten carbide for durability and cutting capacity, and in field tests has shown penetration and recoveries in shale as high as 35 feet per hour.

It does not replace the Christensen Diamond Core bit, and together they provide the operator with a combination that assures effective coring in all types of formation. The Mercury T.C. Core Head requires no special additional equipment and can be used with any Christensen core barrel.

It is simultaneously announced that R. J. Eiche & Associates, Inc. have added this item to their export line of Christensen Diamond products.

NEW HALLIBURTON DIRECTOR is H. C. Otis, center. His Otis Engineering Co. was absorbed by Halliburton Oil Well Cementing Co. through stock transfer and Otis was elected a director of the parent company. Welcoming him are two Halliburton executives, chairman Logan D. Campbell, left, and president L. B. Meaders.

Halliburton Adds Otis Engineering

Otis Engineering Co. has become a subsidiary of Halliburton Oil Well Cementing Co. Directors of both firms completed stock transfer in mid-July and Halliburton elected H. C. Otis, Otis' founder and chairman, to its board of directors.

Otis stockholders received .85 of a share of Halliburton stock for each share of their own. There were 212,343 shares of Halliburton stock distributed.

Otis is a Dallas-based oil tool and equipment manufacturer with 650 employees in five states, Canada and Venezuela.

No changes are contemplated in Otis' present operations and policies, it was understood. All employees and officers are remaining with the new company.

"We consider ourselves especially fortunate to gain the services of Mr. Otis on our board," said Logan D. Campbell, Halliburton chairman.

"His more than 30 years experience in the oil field servicing business will be helpful to us in servicing our customers."

Founder Otis is chairman of the new Halliburton subsidiary. Robert H. McLemore remains as president and H. C. Otis Jr. as executive vice president.

Another Texas company, Welex Jet Services of Fort Worth, was absorbed by Halliburton in 1957. Operated also as a subsidiary and now known as Welex, Inc., it has approximately 1000 employees in North and South America.

A "hot" ring helps tame an old enemy

Atomic radiation helps this man do his job.

He's Dr. Hugh Macpherson, one of Standard's research engineers. The "hot" ring he's holding is an ordinary piston ring which has been exposed to atomic radiation.

By installing such radioactive piston rings in a car, our research engineers can use a Geiger counter to measure wear *as it happens* while the car is driven on the highway, in traffic, on hills — in every possible driving situation.

This research technique has taken months off the time needed to test the effectiveness of new motor oils, and it's far more accurate than previous methods.

It's one of the techniques pioneered by Standard's scientists to help defeat an old enemy—wear... to learn what it is, what causes it, how to prevent it.

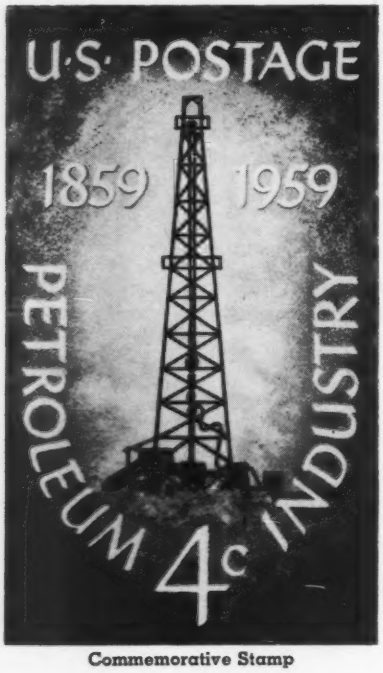
Our progress has been steady. Working closely with car manufacturers, we've virtually ended the problem of wear in automobile engines.

In the 1930's, for example, cars could go only 20 to 40 thousand miles before a major overhaul. But with today's motor oils and regular oil changes, your engine can be good for more than 100,000 miles—can, in fact, outlast the car.

By such never-ending research that leads to better products, ***the people at Standard are planning ahead to serve you better.***

OIL'S FIRST CENTURY
BORN IN FREEDOM
WORKING FOR PROGRESS

STANDARD OIL COMPANY OF CALIFORNIA



Commemorative Stamp

Commemorative Stamp to Be Issued August 27

An oil derrick, against a light background, will highlight the design of the 4 cent Petroleum Industry Centennial commemorative stamp, to be issued August 27, Los Angeles Postmaster Otto K. Olesen announced recently.

This stamp, designed by Robert Foster of New York City, will mark the 100th anniversary of the completion of the first oil well at Titusville, Pa., by Colonel Edward L. Drake. It will be released during first-day-of-issue ceremonies in Titusville on August 27 and will go on sale in other Post Offices on August 28.

Measuring 0.84 by 1.44 inches, arranged vertically, the stamp will be printed in sheets of 50 subjects in a single color, to be announced later.

Lettering in the design is a hand-drawn calligraphic style, all in white against a dark background. The wording "U. S. Postage" appears across the upper portion, with "1859" and "1959" somewhat below, divided by the oil derrick. Extending from left to right in the lower portion of the design, in U-shaped form, is the identifying inscription and denomination, "Petroleum 4c Industry."

8th Annual Convention of D.&D. Clubs of North America Set for Oct. 2-3

Dr. Frank B. Conselman, consulting geologist in Abilene, Texas, and Michel T. Halbouty, consulting geologist and petroleum engineer, Houston, Texas, will be the featured speakers when members of the Desk and Derrick Clubs in the United States, Hawaii and Canada convene at the Hilton Hotel in San Antonio, Texas, for the Eighth Annual Convention of the Association of Desk and Derrick Clubs of North America on October 2-3.

Dr. Conselman will speak at the Friday luncheon on "A Perspective for Petroleum." Mr. Halbouty's address, entitled "They Said It Couldn't Be Done," at the Saturday banquet will culminate convention activities.

These announcements come from Miss Ellen M. Vaughan, The Carter Oil Company, Shreveport, Louisiana, association president. Miss Vaughan also announced that Miss Maxine R. Hacke, Warren Petroleum Corp., Tulsa, Oklahoma, will make the keynote address at the opening session on Friday morning. Miss Hacke, immediate past president of the association, will set the pace for the convention with her talk entitled "The Golden Thread."

"Education Anew—With A Broader View" is the theme of the convention. Some 1500 oil women are expected to attend this annual event.

Synthetic Fibers and Fuel Oil Discussed At Congress

At the Fifth World Petroleum Congress, Roy W. Sudhoff of Chemstrand Corp. Decatur, Ala., discussed the important contributions the oil business has made to the synthetic fiber industry. According to Sudhoff, the major portion of the world's synthetic fiber supply is based on petroleum derived materials —methane, butane, cyclohexane and aromatic fractions. Since the introduction of these materials about 20 years ago, Sudhoff said, the synthetic fiber industry has been characterized by rapid growth.

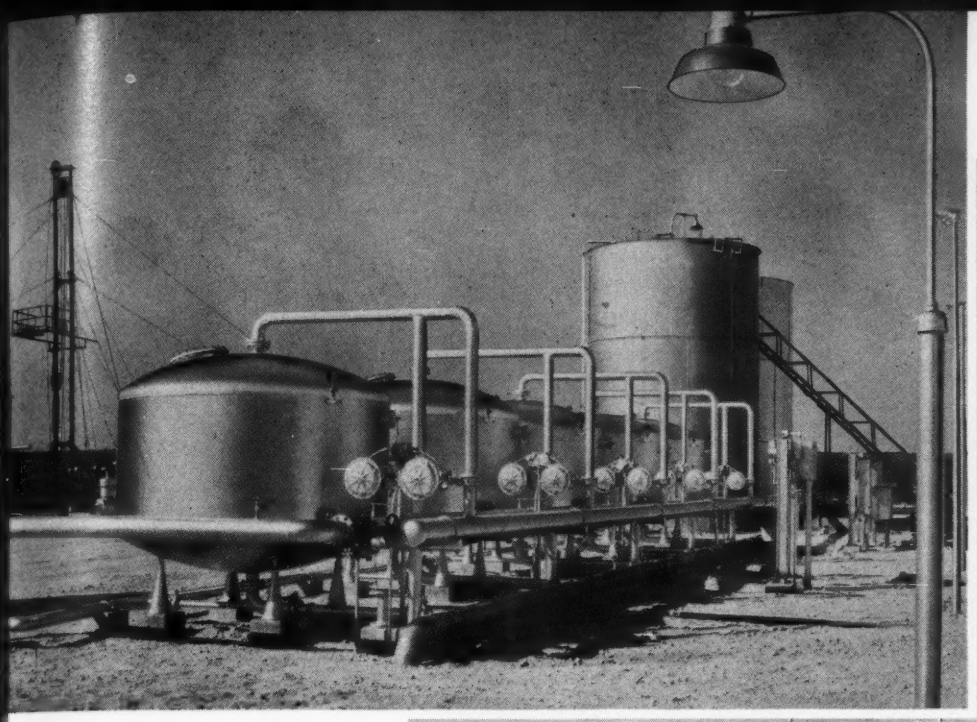
In a session on the utilization of petroleum products, improvements in equipment for oil fired home heating promising the homeowner a higher return on his heating dollar were discussed by three American petroleum scientists. The authors of the paper, Robert L. Weeks and William L. Clinkenbeard of Esso Research and Engineering Co., Linden, N.J. and Joseph D. Soltis of Esso Standard Oil Co., New York reported that presently it is not economically feasible to modify fuel oil for home furnaces but that equipment improvements tested in 21 homes in New Jersey proved to be the quickest and most practical route to greater economy. The equipment changes are based on two principles—more thorough mixing of air and fuel oil and adjustments in the firing rate at which the fuel is burned.

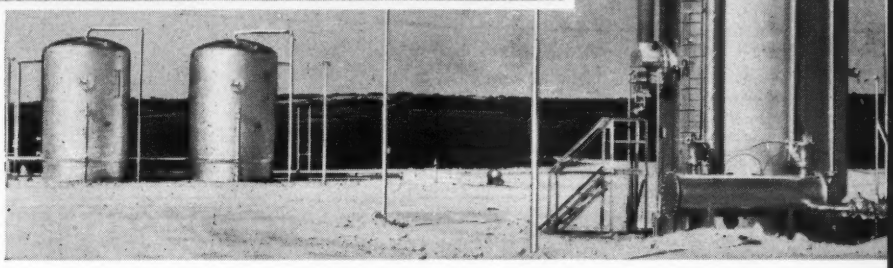
West Coast to Observe Oil Centennial in Oct.

West Coast District Oil Information Committee Chairman W. G. King, vice president of Richfield Oil Corporation, has announced that the month of October has been set aside for the oil industry's centennial observance on the West Coast. Details of the various centennial activities were outlined by Centennial Committee Chairman M. A. Mattes, advertising manager for Standard Oil Company of California. They include the following:

Special meetings of local organizations in each state at which the speaker will note oil industry progress during the past 100 years and the plans for the future. In this regard, individual oil companies will use special centennial art work prepared by Norman Rockwell. The work will be posted on billboards and service station "A-boards." Newspapers and magazine advertisements will carry out the centennial theme. A special press package, containing centennial stories, news clips and photographs, is available for local committee use. Specially bound copies of the American Petroleum Institute's Centennial Issue, engraved with the name of the governor of each of the six western states, will be presented to the governors.

Forty thousand copies of the new booklet, "Energy for America," will be distributed as souvenirs where oil industry speakers appear.





Automatic Waterflood System . . .

Utilizes BS&B AQUA-Kleener!® Filters, Oilfield Equipment and Controls

Down in Mid-Texas, there's a "young" waterflood just getting well started that operates on a completely *automatic* basis — with the aid of 5 BS&B AQUA-KLEENER Filters, 2 BS&B Free Water Knockouts, a BS&B Type S Treater, several BS&B Bolted Steel Tanks and numerous BS&B Controls. These include valve actuators, time clock controls, liquid level controls and pressure differential controls.

In this system, production water from the treater and the free water knockouts is combined with "source water" from 2 750-bbl. tanks (fed by 2 water wells), and is pumped through the filters to the injection pumps, and thence into several injection wells.

The 5 filters are controlled by a preset time clock on a cycle that keeps some of them on stream while others are on automatic backwash. The piping manifold on the filters and twin valves is so arranged that when the time clock closes the inlet valve, it opens the other valve starting the backwash cycle.

This installation is a good example of BS&B "Oilfield Automation" at work. Why not let your BS&B Man help you put your operations on an automated basis, too?

EFFICIENCY OVER 60 YEARS RELIABILITY
BS&B
ANOTHER EXAMPLE OF PRODUCT LEADERSHIP

BLACK, SIVALLS & BRYSON, INC., WEST COAST SALES AND SERVICE DIVISION
759 N. Highland Ave., Los Angeles 38 Dept. 1-BK8 8915 Rosedale Highway, Bakersfield

L. A. Chapter of Nomads Whing Ding

The Twentieth Annual Whing Ding of the Los Angeles Chapter of Nomads was, as usual, a great success. Held at the Lakewood Country Club on July 17th, it opened with a Golf Tournament which was followed by a social period with music and card playing. Then came dinner attended by 273 Nomads and guests among which were thirty from foreign oil fields. This was followed by a floor show with emphasis on comedy.

Golf prizes won at the tournament were awarded by Andy Anderson of Pacific Perforating Company who was Program Chairman and was assisted by Art Marshall of H. C. Smith Oil Tool Company, Assistant Chairman, and C. F. Van Loozen of Power Rig & Equipment Company.

The President's Trophy for low gross Nomads Score was presented by the Chapter President, Tom Ashe of Globe Oil Tools Company, to T. A. Beeson of Specialty Sales Company.

A special prize was awarded for a hole-in-one to Pete Carberry of Petroleum Week and another to C. T. Abbott of Baker Transworld for driving into a circle at the 17th hole.

Eleven door prizes were given to those holding lucky number which were drawn from a fish bowl by a cute chick accordionist who played and sang (with the aid of various harmony groups among the Nomads and guests) during the dinner hour.

The Golf Tournament was most ably handled by Chili Sutton of Oil Well Mfg. Company with the assistance of Shorty Bowen of Martin-Decker Corporation, Charlie King of Baker Oil Tools, Knight Templeton of Bowen ITCO, Max Martin of H. C. Smith Oil Tool Company and Glen Horrie of McCullough Tool Company.

A.P.I. Pacific Coast District Meet May 12-13, 1960

The 1960 Pacific Coast District meeting of the American Petroleum Institute, is scheduled to be held May 12-13, at the Biltmore Hotel in Los Angeles, California.

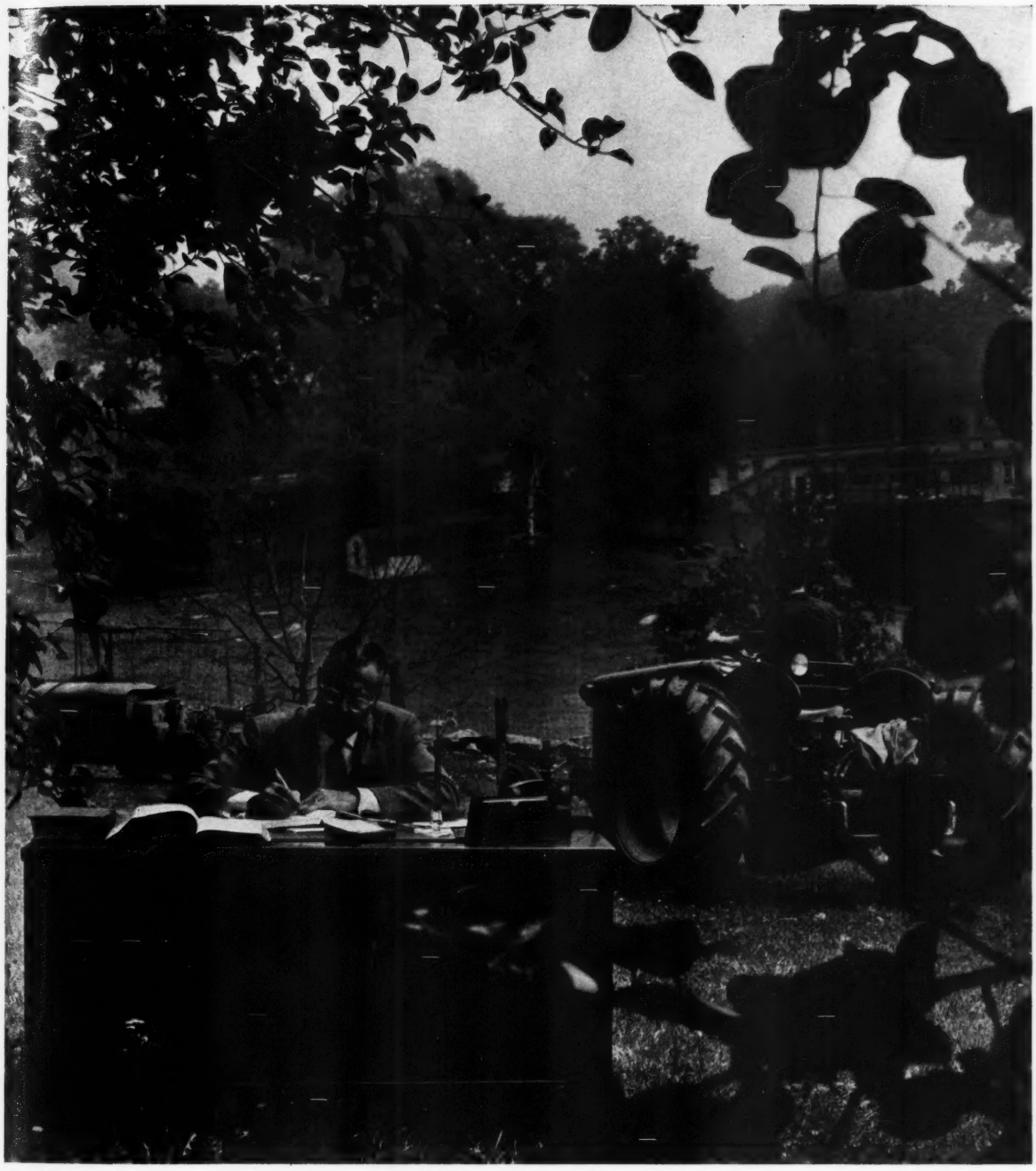
Reservations will be handled on a first-come-first-served basis. Requests should be addressed direct to the hotel as early as possible.

Program suggestions for the meeting will be welcome and should be addressed to H. H. Ewing, Chairman, API Pacific Coast District.

HOLE IN ONE FEATURES NOMADS GOLF TOURNAMENT—At the Whing Ding and Golf Tournament of the Los Angeles Chapter of Nomads held at the Lakewood Country Club, July 17, 1959 a hole in one was shot by Pete Carberry of Petroleum Week who is shown on the extreme right in the picture. Other golf prize winners were (from left to right): C. F. Van Loozen of Power Rig & Equip.; C. T. Abbott of Baker Transworld; Bill Wiley of McCullough Tool; Lefty Beeson of Specialty Sales; Cecil Weaver of Johnston Testers; John Cochran of Driltrol; Bob Cree of Gammaloy; Ken Woodward of Mission; Art Howse of Union Oil; Bill Huskey of Johnston Testers; Bob Woodruff of Terminal Drilling.

TOM ASHE of Globe Oil Tools, (left), President of the Chapter, presents the President's Trophy to Lefty Beeson of Specialty Sales, at the Twentieth Annual Whing Ding of the Los Angeles Chapter of Nomads, Lakewood Country Club, July 17, 1959.

DOOR PRIZE WINNERS at the Twentieth Annual Whing Ding of the Los Angeles Chapter of Nomads, Lakewood Country Club, July 17, 1959. From left to right: Tom Hastings of Eason & Theroff; W. E. Melton of Union Oil; Bill Goertz of Monarch Engineering; Tommy Thompson of City Service in Colombia; Ross McClintock of Western Offshore Drilling; John Cochran of Driltrol; Ann Mills, who drew the lucky numbers; Cliff De Vilbiss of Byron Jackson Tools who accepted the prize for his co-worker, Bill Flanders; John McClure of Wagner-Morehouse; Bill Zublin of Sales & Engineering Associates; Dick Weldman of Continental-Emsco; Monk Denlinger of Shaffer Tool Works.

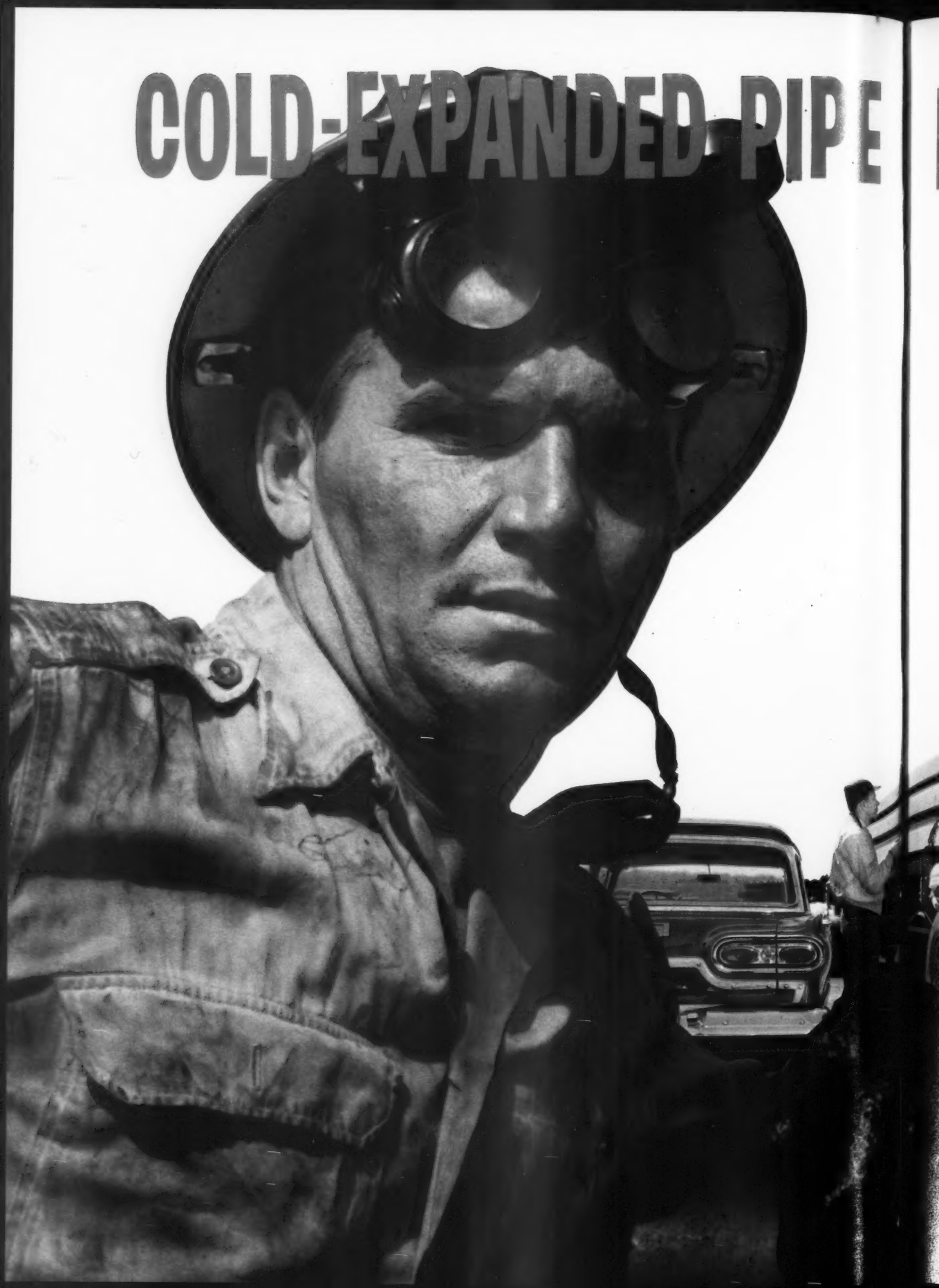


How an oilman at his desk protects the fruit of the land.

He is part farmer, part chemist, all oilman. He knows how to use oil-based insecticides to help keep farm produce free from destruction by aphids, nematodes, grasshoppers, mites and other hungry insects. He knows how important oil is to today's highly mechanized farms. He knows—and so do you. The next time you hear somebody speak out against oil—tell him you're an oilman and proud of it. And tell him why.

SHELL OIL COMPANY

SHELL

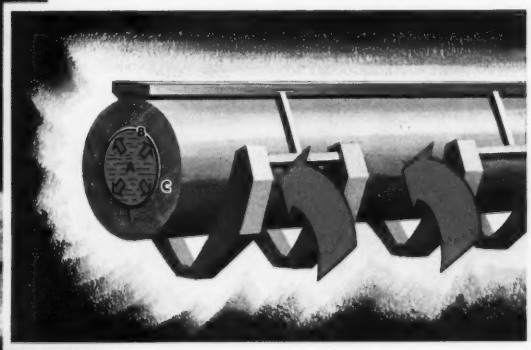

COLD-EXPANDED PIPE

E MEANS HIGHER STRENGTH

Youngstown Electric Weld Line Pipe is cold-expanded for higher strength. It lines up fast, lays fast to keep your construction costs low. This is why you'll find Youngstown pipe in so many major lines.

Remember, Youngstown Electric Weld Line Pipe is hydrostatically expanded to uniform roundness. In this operation (see below), internal water pressure (A) forces the pipe (B) outward against the solid walls of a mantle (C). Cold-expansion provides a lighter, stronger pipe for carrying higher line pressures. As a result of this process, cold-expanded line pipe has increased field weldability.

For particulars about Youngstown Electric Weld Line Pipe, contact our sales and field engineering offices strategically located throughout the oil and gas-producing country. The Youngstown Sheet & Tube Company, Youngstown 1, Ohio.



QUALITY YOUNGSTOWN SERVICE

Youngstown

ELECTRIC WELD LINE PIPE

What Is Origin of Petroleum? Views Presented At Congress

Differing views on the origin of petroleum were presented in a symposium at the Fifth World Petroleum Congress in New York.

One group of scientists held to the theory that plants and animals of eons ago are the original and direct source of petroleum while the other re-affirmed belief that complex chemical reactions deep in the earth brought petroleum into being.

Papers on the subject were discussed under the co-chairmanship of Dr. W. E. Hanson, Administrative Fellow of Gulf Research and Development Company's Multiple Fellowship on Petroleum, Mellon Institute, Pittsburgh, Pa., and Dr. M. Louis, of the Institute Francais du Petrole, Reuil-Malmaison, France.

A theory presented by Dr. J. Gordon Erdman of Mellon Institute, stated that "methods for recognition must necessarily be based upon observed characteristics of rocks that are believed to have yielded petroleum in quantity, as opposed to those believed never to have yielded crude oil. Since all gradations between these two extremes exist in nature, it is thought that quantitative statements with respect to source sediments can come only with understanding of the fundamentals of their formation."

"Important characteristic components of petroleum are absent in recent sediments," **Dr. Erdman** concluded, "even well below the zone of bacterial activity. Their formation is believed to take place at greater depth through complex chemical—abiotic—reactions."

Differing with Dr. Erdman was Dr. W. G. Meinschein of Esso Research and Engineering Company, Linden, N.J. Dr. Meinschein argued that plants and animals are the original and direct source for the world's oil.

"Major transformations of organic matter into petroleum-like compounds do not appear to be an essential function of source beds," Dr. Meinschein's paper said. "Neglecting bacterial modifications and rearrangement of unsaturated products that apparently occur shortly after deposition of plant and animal remains in sediments, the important processes in forming petroleum deposits are probably physical in nature."

Supporting Dr. Erdman's theory was a paper by E. E. Bray and E. D. Evans of the Magnolia Petroleum Company Field Research Laboratory, Dallas, Tex. "Analysis of numerous recent sediment samples indicate that molecules with odd numbers of carbon atoms predominate in the heavy n-paraffins for at least the first few thousand years after deposition," the Bray-Evans paper stated. Whereas, with regard to ancient sediments, "analysis of a limited number of postulated source rocks showed no preference in the heavy n-paraffins for molecules of either odd or even carbon numbers."

"The differences of opinion we see here today," Dr. Hanson remarked from the Chair, "form the reason for calling these scientific symposia. It is only through making them known that we can eventually come closer in our thinking, and broader in our over-all knowledge."

Free liquid and solid hydrocarbons comparable to those in petroleum are found in practically all sedimentary rocks, according to another paper presented by Dr. J. M. Hunt of Jersey Production Research Co., Tulsa, Okla.

"The quantities vary from a few parts per million in continental deposits to several thousand parts per million in bituminous marine shales." Dr. Hunt said, "Associated with this oil are two other types of organic material a soluble asphalt, and an insoluble pyrobituminous material called kerogen. In a typical marine shale about 90 percent of the organic matter is kerogen, 7 percent is asphalt, and 3 percent is soluble hydrocarbon.

"Commercial accumulations of hydrocarbon in reservoir rock," he continued, "represent only a small fraction of the total hydrocarbons estimated to exist in a finely disseminated form in practically all sedimentary rocks of marine origin."

Tending to support the work of Dr. Meinschein was Dr. Hunt's statement that "comparisons of reservoir hydrocarbons with the hydrocarbons from their presumed source rocks suggest that fractionation occurs during the process of primary migration from source to reservoir."

In a paper on kerogen, Dr. P. H. Abelson, Geophysical Laboratory, Carnegie Institution, Washington, D.C., set forth the theory that "kerogen appears to be formed as a result of mutual chemical reactions among the principal constituents of living matter—carbohydrates, proteins, and lipides." "Our studies indicate," he said, "that carbohydrates are an important factor and that the reactivity of free al hyde grous under slightly alkaline con itions is particularly crucial. For in ance, glucose reacts relatively rapidly at 50 degrees centigrade with amine roups in amino acids and proteins. Dr.

The degradation of protein ceous material in nature has been rther studied by Drs. H. R. von Ga tner, Amt fur Bodenforschung, Han over, Germany, and H. Kroepelin of Technische Hochschule, Braunsc weig. Rates, they said, were shown o be greatly influenced by clay comp nents of sediments.

Another study of organic matter in petroleum rocks, by Y. Khalifeh and M. Louis of the Institute Francais du Petrole, Paris, France, described an effort to develop a simple method for distinguishing between source beds of petroleum and sediments which have not yielded petroleum.

Don't Load the Dice Further

The U.S. oil industry is losing a billion dollar bet each year drilling dry holes. That's as much as American farmers spend yearly on machinery and equipment. And oil men will have to go on gambling with high stakes, says Jno. G. Pew, Sun Oil Company production vice president, to keep producing enough for a nation that consumes over a million gallons of oil every four minutes, day and night. He adds: "There's a certain fascination in matching wits with nature. But it takes more than fascination . . . No one drills dry holes just for the fun of it."

Describing some of the "ornery dusters" he has known, the veteran oil man recalls that a dry well drilled in 39 feet of water off the Texas coast cost Sun $1,250,000. The $3,500,000 drilling barge sank to the bottom of the sea as the well was abandoned. Another took 490 days to drill, and wound up as a 12,962-foot dry hole at a cost of $1,264,312. About half of all dry holes are drilled right in areas where oil has been proved by nearby wells to exist. As he puts it: "These, in my book, are the truly ornery dusters."

Referring to recent criticism of the depletion tax provision which offers incentive to drill, by granting certain tax benefits, Mr. Pew says: "Nature gives us enough of a battle now, when she tricks us into drilling dry holes, without loading the dice further in her favor."

SAS Jet Speed

over Europe and the Middle East!

SAS adds jets to its regular service over Europe and the Middle East.

You depart daily, Global Express non-stop from New York, or one-stop from Los Angeles on the polar Route, to Copenhagen.

Direct connections on SAS Caravelle Jet Service speed you to important oil centers:

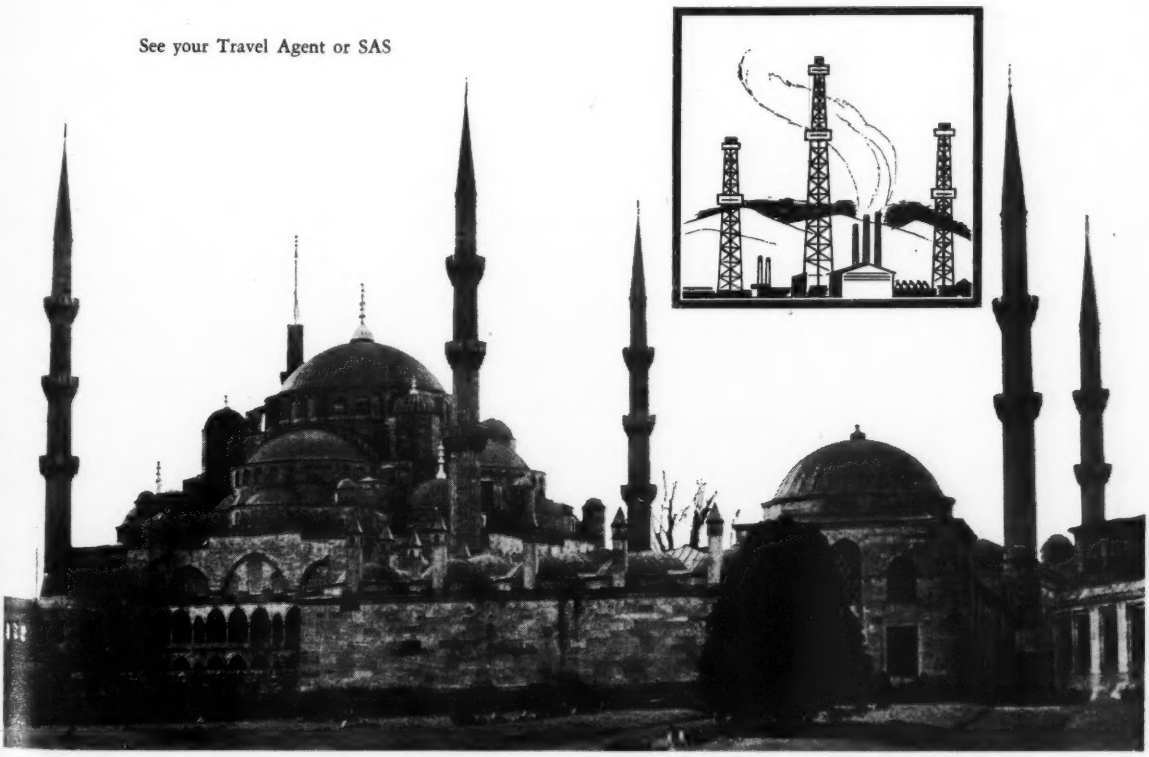
Cairo	Khartoum	Abadan
Athens	Damascus	Istanbul
Ankara	Teheran	Beirut
Basra	Bagdad	

SAS is fast—and luxurious, too, with Continental cuisine, spacious berths, and deluxe service for your utmost comfort.

Stop over, for business or pleasure, at 17 extra cities, including London, Paris, Rome, Copenhagen. No extra fare on your SAS round-trip.

Take your family along, at Family Fare reductions. SAS arranges hotel reservations, car hire, pay-later plan.

See your Travel Agent or SAS



SCANDINAVIAN AIRLINES SYSTEM 607 West 6th St., Los Angeles 8929 Wilshire Blvd., Beverly Hills
Beverly Wilshire Hotel, Beverly Hills Phone: OLeander 5-8600 — OLympia 2-8600

NEW LITERATURE

New Standard Terminology for Gasoline and Heating Oil Markets

An expanded Standard Terminology for Gasoline and Heating Oil Marketers has been published in booklet-form by the Marketing Division of the American Petroleum Institute.

The new booklet is based on a study first issued in June, 1956, covering gasoline marketers only. Sections of the booklet have been revised to include heating oil marketers and dealers.

The booklet was prepared by the division's Marketing Research Committee under project chairmen George H. Glenn, Texaco, Inc., New York (fuel oil marketers), and N. L. Turkevich, Continental Oil Co., Houston, Texas (gasoline marketers). Chairman of the Marketing Research Committee is Eric Neumeister, Sinclair Refining Co., New York.

Free copies of the booklet, in orders not exceeding 20, are available from the Division of Marketing, American Petroleum Institute, 50 West 50th Street, New York 20, New York.

The standard terminology is based on a survey of the classification and terminology of gasoline and heating oil marketers currently used by companies represented on the division's Marketing Research Committee, according to A. J. Rumoshosky, division director.

Pamphlet on Electricweld Line Pipe Available

The features and advantages of line pipe manufactured by the electricweld method are presented in a colorful new pamphlet now available from Jones & Laughlin Steel Corporation.

The 12-page booklet also describes the production operations used in making electricweld line pipe and takes the reader on a picture tour of the new electricweld pipe mill installed at J&L's Aliquippa, Pa., Works.

Pictures also are used to point out the high standards of quality control which J&L employs in production of its electricweld line pipe.

A complete table of specifications for the product is carried in the booklet.

Copies are available by writing: Public Relations & Advertising Department, Jones & Laughlin Steel Corporation, 3 Gateway Center, Pittsburgh 30, Pa.

Color Brochure on Sandpump Available

The Axelson Sandpump is completely described and illustrated in a new brochure available through the Axelson Division, U.S. Industries, Inc. The four page, two color brochure describes the advantages gained by the use of this new pump for the production of wells containing an excessive amount of sand as well as other problem type wells.

The brochure also points out and describes the close fit plunger and liner design which provides the high efficiency of the pump.

Copies may be obtained by writing to the Axelson Division, U.S. Industries, Inc., 6160 South Boyle Avenue, Los Angeles 58, California.

Five Separate Pamphlets Available From Wire Rope Division

Seven products of the Wire Rope Division of Jones & Laughlin Steel Corporation are described in five separate, four-page pamphlets just published.

The products are: Centerfit Wire Rope; Cable Laid Slings; Plasti-Kore and SpringKore Wire Rope; JalKlamp and JalLoc Slings and Oil Field Manila Rope.

Each pamphlet describes the various applications for which the product is best suited. Specifications for strength and size are listed in tables. A brief guide on how to order wire rope is presented in the booklets covering these products.

Copies of the pamphlets are available from: Public Relations & Advertising, Jones & Laughlin Steel Corporation, 3 Gateway Center, Pittsburgh 30, Pa.

New Literature Available From Axelson Division

Complete literature is available on the recently introduced $700.00 Axelson 24" Hydrax hydraulic pumping unit. The literature includes a product data sheet, production tables, photographs, and specifications.

Further information and literature on the 3,500 and 5,000 lbs. polished rod load unit is available through the Axelson Division of U. S. Industries, Inc., 6160 South Boyle Avenue, Los Angeles 58, California.

Du Pont Reduces Price On Metal Deactivator

Prices of Du Pont Metal Deactivator, a chemical added to gasolines at the refinery to improve storage stability and help prevent formation of gums that foul fuel lines and carburetors in automobiles, were reduced about eight per cent recently.

New prices for the standard DMD compound in steel drums, effective with shipments on and after July 25, are $1.65 per pound to points east of the Mississippi and $1.66 per pound to all other areas, except California, Oregon, and Washington, where the price is $1.70 per pound.

In Memoriam

GILBERT R. FRICK

Gilbert R. Frick, Huntington Park, was killed July 25 in the crash of a helicopter near Lake Becharof on the Alaska Peninsula.

Frick, 61, was senior drilling foreman in charge of General Petroleum Corporation's Alaska oil drilling project.

Masonic services were held at the Roy D. Klinker Mortuary, Huntington Park.

Frick had been with General Petroleum since 1922. He began his petroleum career as a rotary helper in the production department and had worked in various oil field capacities for the company since that time.

A native of San Diego, he attended the University of California until he left to go into the Army in World War I. He served in France.

Frick is survived by his widow, Ruth Adelaide Frick, his father, Moses L. Frick, of Bell, and sisters, Mrs. Emily A. Foss, Los Angeles, and Mrs. Pauline T. Buckley, Redondo Beach.

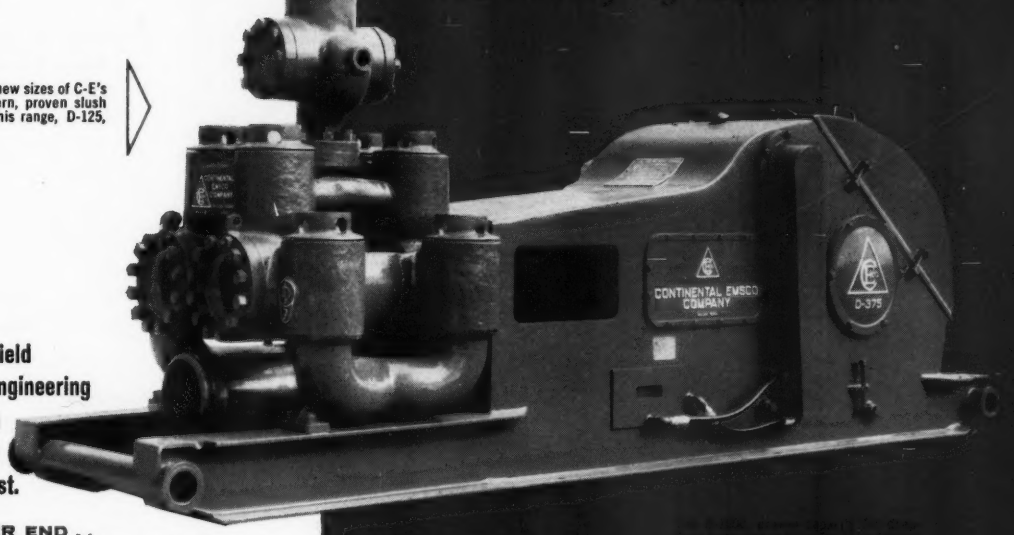
NEIL C. NEEDHAM

Funeral services were held July 29 for Neil C. Needham, 70. Mr. Needham, son of the late H. Clay Needham and Lillie F. Taylor Needham, pioneer developers of Newhall through the Newhall Land and Oil Company, was with General Petroleum Corporation for 38 years. At his retirement in 1949 he was chief of the land and lease department.

CONTINENTAL-EMSCO'S NEW RANGE OF SLUSH PUMP SIZES

meets every rig requirement

The D-375, one of the new sizes of C-E's extended line of modern, proven slush pumps (other sizes in this range, D-125, D-225 and D-550).



Now you get Continental-Emsco's field proven slush pump engineering and quality control in all sizes . . from the smallest to the largest.

FABRIFORM POWER END . .
easier handling around the rig . . lighter weight without sacrificing strength.

COMPACT GEAR DESIGN . .
less weight but more than adequate capacity for today's increased horsepower requirements.

ROLLER BEARINGS . .
free rolling action cuts load on prime mover . . extends service life . . no field adjustments required.

REPLACEABLE CROSSHEAD GUIDES . .
easy replacement reduces maintenance and down time . . greatly extends usable life of pump . . slippers can be replaced in larger pumps.

AUTOMATIC LUBRICATION . .
all parts are automatically lubricated regardless of pump speed.

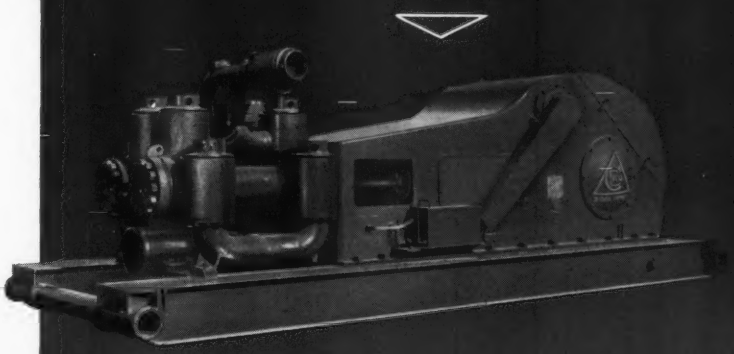
STEEL FLUID END . .
designed to handle all muds at highest operating pressures with maximum efficiency.

PATENTED EXPOSED LINER DESIGN . .
safeguards against fluid end washouts caused by packing failures.

THREADED VALVE-POT COVERS . .
speed up valve inspection, servicing and replacement. Assure maximum fluid flow with minimum turbulence.

SCREW-TYPE STUFFING BOX GLANDS . .
assure uniform pressure on packing . . eliminate uneven packing wear, cause of premature packing failure and rod scoring.

Check these features. See why overseas operators, drilling in remote areas, have more confidence in C-E pumps. Regardless of your operation . . local or worldwide . . buy Continental-Emsco pumps and take advantage of their ability to pump more mud at lower cost.



Pumps for Drilling . . . Mud Mixing . . . Utility

D-1000	1000 hp@60 spm		D-375	375 hp@70 spm	
	Max. Pres. (5¾" Liner)	3,480 psi		Max. Pres. (4¼" Liner)	1,991 psi
	Max. Vol. (6¼" Liner)	933 gpm		Max. Vol. (7½" Liner)	723 gpm
DA-850	850 hp@60 spm		D-225	225 hp@70 spm	
	Max. Pres. (5¾" Liner)	2,954 psi		Max. Pres. (4½" Liner)	1,551 psi
	Max. Vol. (6¼" Liner)	933 gpm		Max. Vol. (5¼" Liner)	580 gpm
D-700	700 hp@65 spm		D-125	125 hp@65 spm	
	Max. Pres. (5½" Liner)	2,727 psi		Max. Pres. (4½" Liner)	940 psi
	Max. Vol. (6¼" Liner)	808 gpm		Max. Vol. (5¼" Liner)	580 gpm
D-550	550 hp@65 spm				
	Max. Pres. (4¾" Liner)	2,515 psi			
	Max. Vol. (7½" Liner)	734 gpm			

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Personalities IN THE NEWS

Wallenbrock Joins Wilshire Oil

Erwin G. Wallenbrock, well known in the petroleum industry, has joined the Wilshire Oil Company as manager of Market Promotion and Development, it was announced by **Earle W. Allen,** executive vice president.

Responsible for all company advertising and public relations activities, Wallenbrock is also in charge of sales promotion, dealer and distributor training, T.B.A. and lubricant merchandising and general market development, Allen stated.

Prior to his new assignment with Wilshire, Wallenbrock was with the Richfield Oil Corporation in sales and dealer training and sales promotion capacity.

Erwin G. Wallenbrock A. P. Endres

New Manager of Public Relations Announced by General Petroleum

A. P. Endres has been appointed manager of public relations services for General Petroleum Corporation, it was announced by **M. E. Dice,** assistant to the president. Effective August 1, Endres succeeded **W. B. Curtis,** who has retired.

A veteran of 20 years with General Petroleum, Endres joined the company in 1939 as a division sales clerk in the marketing department.

He also has held the positions of sales promotion clerk, advertising assistant and supervisor, sales promotion.

In 1946, when the General Petroleum public relations department was formed, he was appointed assistant to the manager, a position he held until his present promotion.

Dr. Oshry Appointed Technical Director of Well Surveys

Dr. Howard Oshry has been appointed technical director of Well Surveys, Inc., according to **John J. Neale,** president of the concern. Well Surveys, one of the Dresser Industries, is a leading research organization in nuclear physics and oil well logging. Dr. Oshry will be in charge of the company's extensive research, testing and prototype manufacturing facilities and personnel.

Retired After 35 Years with G.P.

Wallace Burdett Curtis, manager of public services, General Petroleum Corporation, retired August 1 after more than 35 years of service with the company.

Well known in petroleum industry and public relations circles, Curtis joined General Petroleum in 1924 as a chemist. A few months later he transferred to the marketing department of the company and for 22 years served in various capacities including salesman, sales manager and advertising manager. He headed the public relations department from 1946.

He has held memberships in the American Petroleum Institute; Society of Public Relations Counselors, Los Angeles; Jonathan Club; Greater Los Angeles Press Club and the San Francisco Press and Union League Club. He is past chairman of the Western Oil and Gas Association's public relations subcommittee. He was active in the national public relations program of the American Petroleum Institute.

A native of Rochester, N.Y., he came to the West in 1912. He graduated from Stanford University in mechanical engineering in 1916. He combined his studies with practical experience in newspaper work.

Texaco Appoints John H. Childs To Sales Department Post

John H. Childs has been appointed general manager of advertising and sales promotion for Texaco, Inc., it was announced recently by **S. C. Bartlett,** vice president of the company's domestic sales department.

A vice president of Cunningham & Walsh, Inc., and accountant supervisor on the Texaco account, Childs joined that advertising agency in 1954. Previously he served in the merchandising department of a large industrial concern.

Charles Spitzfaden J. A. Whitesides

New Appointments by Continental-Emsco

Continental-Emsco Company announced the appointment of **Charles Spitzfaden** to the position of general manager of sales non-tubular and **J. A. Whitesides** to manager of drilling equipment sales department.

Spitzfaden will head up all of C-E's non-tubular sales departments, including drilling equipment, subsurface production equipment, production machinery, secondary recovery and miscellaneous equipment sales.

Whitesides had held the position of Sales and Development Engineer-Drilling Equipment while Spitzfaden was formerly the manager of drilling equipment sales department.

Both men will headquarter at Continental-Emsco's world headquarters in Dallas, Texas.

Continental-Emsco Assigns Personnel to Special Projects Div.

Continental-Emsco Company, a Division of The Youngstown Sheet and Tube Company, has appointed **J. R. Bechtold** and **Lee Drake** to its newly formed special projects and services division. Both men have been named to the position of assistant to the vice president-special projects and services.

Bechtold formerly held the position of manager, structural sales and Drake the position of manufacturing engineering. Both men will headquarter at Continental-Emsco's new world headquarters building in Dallas, Texas.

W. O. & G. A. Appoints New Public Relations Representative

Richard W. Keusink has been named public relations representative for the Western Oil and Gas Association which represents producers, refiners and wholesale marketers of the petroleum industry in six Western States. The announcement was made by **Felix Chappellet,** vice president and general manager of the association.

Keusink was formerly director of public relations for the McNeil Construction Co. and prior to that he was news director of KTLA television, Hollywood.

A former newspaper man, Keusink has held editorial positions on the Santa Paula Chronicle, Saticoy Journal, Burlingame Advance and the Redwood City Tribune.

UOP Engineer Named to Head Aromatics Standards Subcommittee

Kenneth M. Brown, Universal Oil Products Company technical service engineer, has been named by Committee D-16 of the American Society for Testing Materials to head a subcommittee establishing international specifications for aromatic hydrocarbons.

The ASTM subcommittee will work through American Standards Association with the International Standards Organization to set up purity specifications and testing methods for benzene, toluene, xylene and other aromatics derived from coal tar and petroleum.

Brown, a 21-year veteran with UOP, has been the company's representative to ASTM's committee concerned with aromatic hydrocarbons since 1950.

R. L. Minckler

Minckler Marks 35 Years Service With General Petroleum

Robert L. Minckler, president of General Petroleum Corporation, marks 35 years of service with the company this month.

Ten years after joining General Petroleum in 1924 as an accountant, he became assistant to the president. In 1947 he was made executive vice president and in December, 1947, was elected president.

Minckler is a director of the Western Oil and Gas Association and of the American Petroleum Institute. He is a member of the board of governors of the Pacific Oil Institute.

Minckler is a trustee of the California Institute of Technology and consulting professor of business management at Stanford University's Graduate School of Business. He is a member of the advisory board of the Hoover Institution on War, Revolution and Peace. He is a trustee of the National Industrial Conference Board, a vice president and director of the California State Chamber of Commerce, vice president and director of the Los Angeles World Affairs Council and vice president and director of the Welfare Federation of the Los Angeles area. He also is a director of the Investment Company of America.

During World War II he was director of petroleum supply of the Petroleum Administration for War, with headquarters in Washington, D.C. He served in the Army in World War I.

Scarborough Domestic Sales Manager

The Reed Roller Bit Company has named **William E. Scarborough** to a newly created position of domestic sales manager, according to an announcement by Reed President **John Maher.**

Scarborough will head all of Reed's stepped-up sales activities in the U.S. pertaining to Y-bits, tool joints and drill collars. His headquarters will be in Houston, Texas.

His appointment as domestic sales manager represents a second association with the company, for Scarborough was in Reed's engineering department for 20 years, leaving in 1956 to join the Security Engineering Corporation in Dallas.

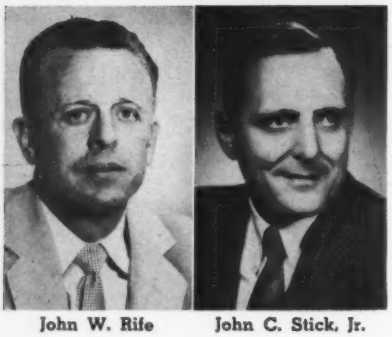
Schlumberger Announces Changes

W. J. Gillingham, president of Schlumberger Well Surveying Corporation, has announced changes in two important management positions in the Corporation. **Everett F. Stratton,** formerly vice president-operations has been elevated to executive vice president, and **Charles K. Ruddick,** formerly Southeast area manager at New Orleans, replaces Stratton as vice president-operations.

Stratton is widely known in Houston, having started with Schlumberger as a field engineer in 1936. Later, from 1946 to 1949, he served as sales manager in Houston Headquarters. He left Denver in 1949 where he held the position of Rocky Mountain area manager for a year, returning in 1950 to Houston as manager of the Southwest Area. In 1956 Stratton was made vice president of operations, which position he has held until his recent promotion to executive vice president.

Ruddick is a native of Indiana. He joined Schlumberger in 1936 and worked as a field engineer in several locations in Texas, Oklahoma and Kansas. He was assistant division manager in Illinois from 1945 to 1949 when he was appointed assistant manager of the Mid-Continent Area at Tulsa, and was made Area Manager in 1952. In 1955 Ruddick moved to New Orelans as manager of the Southeast Area, which position he has held until his recent promotion to vice president.

Both men have authored papers dealing with electrical logging.



John W. Rife John C. Stick, Jr.

Web Wilson Oil Tools Appoints New General Manager

John W. Rife has been appointed general manager of Web Wilson Oil Tools, Inc. The announcement was made by **W. A. Wilson,** president.

Rife joined Web Wilson fourteen years ago. In 1950 he became secretary-treasurer. In 1954 he was elected to the board of directors; and last year he was named assistant to the president.

Web Wilson Oil Tools, Inc., is a well-known manufacturer of hoisting equipment and production tools for the oil industry.

Lane-Wells Has New Assistant Manager of Logging Service

John C. Stick, Jr. has been named assistant manager of logging services for Lane-Wells Company, a division of Dresser Industries, Inc., according to **John J. Neale,** president of Lane-Wells. Stick will headquarter in Houston to head up a greatly expanded program of customer consultation services for oil well logging.

"Although Lane-Wells has always been extremely sensitive to the industry's service needs and desires," Neale said, "recently introduced innovations and other developments now under field test require even more consultation with industry personnel concerned with logging and logging applications. We are interested in seeing the industry derive maximum benefit from these improvements which will further expand the benefits of the basic Elgen logging system. Stick is eminently qualified for this task with nearly a quarter of a century of research and development experience in the fields of electrical and nuclear logging."

Formerly technical director of Well Surveys, Inc., Stick is a native of California. Prior to joining Well Surveys, he was chief engineer for Lane-Wells Company. He held nearly every position in the company's logging services from Operator to Chief Electrical Engineer.

R. D. O'Brien Named Group Executive U. S. I., Inc. Petroleum Equipment Divisions

R. D. O'Brien has been advanced to the post of group executive for the two petroleum equipment divisions of U.S. Industries, Inc., **John I. Snyder, Jr.,** Chairman of the Board and President, announced.

Until recently, Mr. O'Brien was Secretary of USI. He is now charged with the executive guidance of USI's Garrett Oil Tools and Axelson Divisions. He will assist the autonomous management of each division in the discharge of current responsibilities, coordinate relations between USI headquarters and the operating divisions and assist in long-range planning for growth and further market penetration in the petroleum and associated industries.

Mr. O'Brien is succeeded as Secretary by **Edward L. Kanter,** who has been Assistant Secretary of U.S. Industries for the past two years.

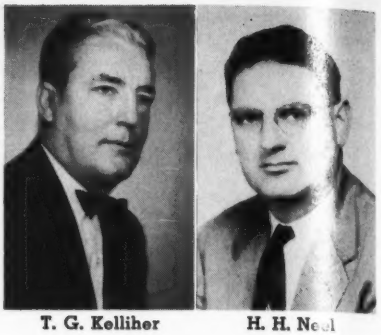
Shell Oil Names New Chief Mechanical Engineer

T. H. Dwyer has been named chief mechanical engineer for Shell Oil Company's Pacific Coast area Exploration and Production, according to Area Production Manager **O. L. Odale.**

Dwyer replaces **J. E. Orrell,** who has been transferred to a similar assignment in the company's Midland, Tex., office.

Dwyer, formerly chief mechanical engineer in the Tulsa area, joined Shell in 1937 as a trainee in the East Texas Division. He worked at various locations in Texas and Louisiana before entering the military service in 1941.

In 1947, he became division mechanical engineer at Odessa, Tex., and two years later was named regional engineer for the gas department in Houston. In 1951 he moved to Shell's head office in New York. He moved to Tulsa in 1953.



T. G. Kelliher H. H. Neel

New Appointments Announced By Getty for Tidewater Oil

Tidewater Oil Company has named a new foreign exploration and production department manager and a new exploration manager for domestic operations, President **George F. Getty II** said.

Henry H. Neel, former Tidewater exploration manager, has been appointed manager of foreign exploration and production for the company. **T. G. Kelliher** has been named manager of exploration, replacing Neel.

Neel joined Tidewater in 1942 at Ventura, California, and in 1955 became western division exploration manager. In 1957 he was appointed manager of foreign exploration and late in 1957, manager of exploration for the company.

Kelliher, formerly manager of exploration for Tidewater's southern division in Houston, joined Tidewater in 1936 as a landman. He was appointed Tidewater's southern division exploration manager in 1954 and moved to assistant division general manager in 1958.

Kerotest Appoints New Sales Representative

Donald J. Cox has been appointed Steel Valve sales representative for Kerotest Manufacturing Company. The announcement has been made by **E. N. Wrenshall,** general manager of the Pittsburgh manufacturing firm.

Cox has been associated with the company since 1957 as a demonstrator of Kerotest steel products. This past activity has caused him to visit every Southern and Western state of the country.

His sales territory includes the states of California, Nevada, Utah, and Arizona.

Propane-soluble additive **UNICOR LHS®**

proves superior as detergent, corrosion inhibitor or anti-icer!

Added to your gasoline as anti-icer, UNICOR LHS does an effective job in preventing carburetor icing and consequent stalling. In addition, UNICOR LHS imparts greater detergency to your gasoline than the best competing additives —and at lowest cost.

But in addition to improving the quality, and hence the salability, of your gasoline, UNICOR LHS performs these money-saving services for you:

A surface active additive, soluble in all hydrocarbons including liquid propane, UNICOR LHS safeguards pipelines and refinery equipment against corrosion. It is also a highly effective detergent—eliminates troublesome deposits in heat exchangers, promotes cleanliness of refinery equipment.

Get the facts about this superior triple-purpose additive today. Write or phone our Products Department for information and samples.

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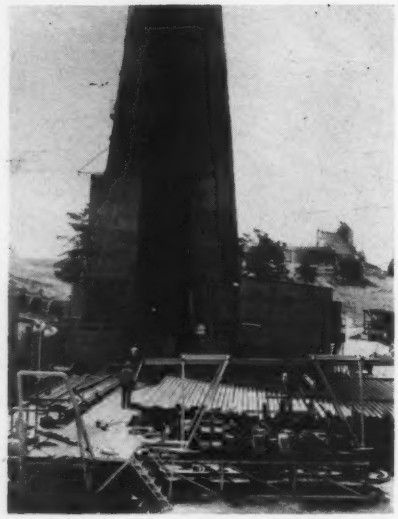


Surrounded by the glamour of Hollywood movie sets, this sound-proofed drilling rig recently placed casing in the 27th well of Universal Consolidated Oil Company on the lot of 20th Century Fox Studios. Universal drilled its first well on the site in 1955. Total production of the 26 wells, which average 8000 feet in depth, is approximately 2500 barrels of crude per day on a restricted flow basis. Here, Sun Drilling Company's crew is moving casing into the rig of Universal's Community 9-A well. The casing is Jones & Laughlin Steel Corporation's 7-inch O. D., 26-pound N-80 Grade, supplied to Universal by Hillman-Kelley, Los Angeles, distributor in California for J&L's oil country tubular products.

Richfield First Six Months Report

Richfield Oil Corporation reports net income after all charges for the first six months of 1959 of $10,694,790, compared with $10,409,590 for the first six months of last year. This is equivalent to $2.65 per share of the 1959 period compared with $2.60 per share for the 1958 period based on average shares outstanding in the respective periods.

Sales and other operating revenue for the first six months of 1959 amounted to $131,357,301, compared with $123,288,469 for the corresponding period of last year. Cost of sales and operating expenses were placed at $98,685,481, as compared with $92,-697,607 for the first six months of last year. Provision for depreciation, depletion, dry hole losses and abandonments aggregated $18,565,763, leaving operating profit of $14,106,057 for the first six months of 1959.

Net income after all charges, including provision for Federal income taxes of $1,750,000, amounted to $10,694,790.

Jones & Laughlin Announce Record 2nd Quarter Earnings

During the second quarter and the first six months of this year, Jones & Laughlin Steel Corporation established new records with respect to sales, production, shipments and net income, it was announced by Avery C. Adams, chairman and president.

Sales and operating revenues for the second quarter of 1959 totaled $316,384,000, or well over a billion dollar annual rate, compared with $236,384,000 in the first quarter and $156,215,000 in the second quarter of 1958.

Net income for the second quarter of 1959 was $26,468,000 or $3.34 a share of common stock. This compares with $1.97 a share reported for the first quarter of 1959 and 47¢ a share for the second quarter of 1958. For the six months ended June 30, 1959, net income was $42,-206,000 or $5.31 a share compared with 64¢ a share for the first six months of 1958.

The record earnings in the second quarter were the result of (1) an operating rate of 94% of capacity, (2) a shipping rate in excess of the operating rate, and (3) the effect of our cost reduction and expansion program which involved an expenditure of $676,000,00 in the past ten years.

"During the second quarter, when an abnormal demand for steel products developed as customers placed orders in anticipation of a possible steel strike, the corporation had its first opportunity to fully test most of its new facilities which were installed in the past few years," Adams said.

Despite the record shipments, unfilled orders are substantial. Once differences with the United Steelworkers are resolved, operations should be maintained at a high level throughout the remainder of the year.

Contract For New Vinyl Chloride Polymer Unit

American Chemical Corporation has contracted with Scientific Design Company of New York City for design and construction of a vinyl chloride polymer unit at Watson, California.

This is the last of four completely integrated units initially planned at American's $7.5 million southern California facility. Construction of the unit is expected to begin within 60 days, with completion planned for mid-1960. The other three units have been under construction since May 15, 1959, by C. F. Braun and Company, Alhambra, California—the prime contractor.

American Chemical will manufacture ethyl chloride, ethylene dichloride, vinyl chloride monomer and PVC resins to meet requirements of western plastics processors and chemical manufacturers.

When completed, the plant and general offices for the corporation will be located at 2112 East 223rd Street, Long Beach, California, (an area generally called Watson). Richfield Oil Corporation and Stauffer Chemical Company, parent companies of American Chemical, are providing the basic raw materials for American's petrochemical operation.

Quarterly Dividend Announced by Standard

A quarterly dividend, No. 134, of 50 cents a share was declared by Standard Oil Company of California. It is payable September 10 to stockholders of record as of August 10.

Net income for the second quarter of 1959 was $60,556,249, or 96 cents a share, compared to $59,324,626, or 94 cents a share, for the same quarter of 1958, Board Chairman R. G. Follis reported. First half net was $118,152,797 or $1.87 cents a share versus $116,735,443, or $1.85 a share, for the first six months of 1958.

These results reflect an improvement in western hemisphere returns coupled with a moderate decline in income from the eastern hemisphere, Follis noted.

Western Hemisphere gross production of crude oil and natural gas liquids was 389,000 barrels daily for the second quarter, compared with 382,500 for the second quarter of 1958.

Standard's $400,000,000 program of capital and exploratory expenditures is proceeding on schedule, Follis said. Work is going ahead on a new wholly owned refinery near Honolulu and a joint-interest refinery at St. John, New Brunswick. The company recently completed a $33,000,000 fluid catalytic cracker at Richmond, Calif.

Mobil Oil Reports Six Months Earnings

Socony Mobil Oil Company's estimated net earnings for first six months of 1959 amounted to $77.1 million, Albert L. Nickerson, president, announced. Earnings before U.S. and foreign income taxes totaled an estimated $125.2 million. Both earnings figures are unaudited and subject to year-end adjustments.

Net earnings per share for the first six months of this year amounted to $1.59 based on an average of 48,465,990 shares outstanding during the period.

Estimated net earnings for the first six months of 1958 were $63.0 million or $1.30 a share, based on an average of 48,337,007 shares outstanding during that period. The 1958 earnings have been adjusted to reflect the increase in Venezuelan income taxes made in December, 1958 but applicable to all of the oil company's 1958 income.

Second quarter earnings for 1959 amounted to an estimated $31.9 million, or $.66 a share, compared with an estimated $26.1 million or $.54 a share in the second quarter of 1958.

Oilmen, Navy & State Land Officers Discuss Offshore Operations

Oil industry spokesmen and representatives from California's State Lands Commission met recently with United States Navy officials in talks concerning the Navy's proposed regulation limiting offshore operations from Point Sal to Point Conception in northwest Santa Barbara County. The Navy has proposed regulations which would block oil exploration and development along the 32-mile coastline strip. Industry representatives from Monterey Oil Company, Phillips Petroleum Company, Richfield Oil Corporation, Shell Oil Company, Pauley Petroleum Inc., Texaco Inc., Humble Oil and Refining Company, Standard Oil Company of California, Western Operations, Inc., and Frank Hortig, executive officer of the state's Lands Commission will meet with Admiral Jack Monroe, Commanding Officer, Pacific Missile Base.

The meeting followed the request of WOGA's Board of Directors to effect efforts to have offshore lands, which partially border the new Vandenburg Air Force Missile Base, administered on a multiple use basis so as to permit oil and gas operations.

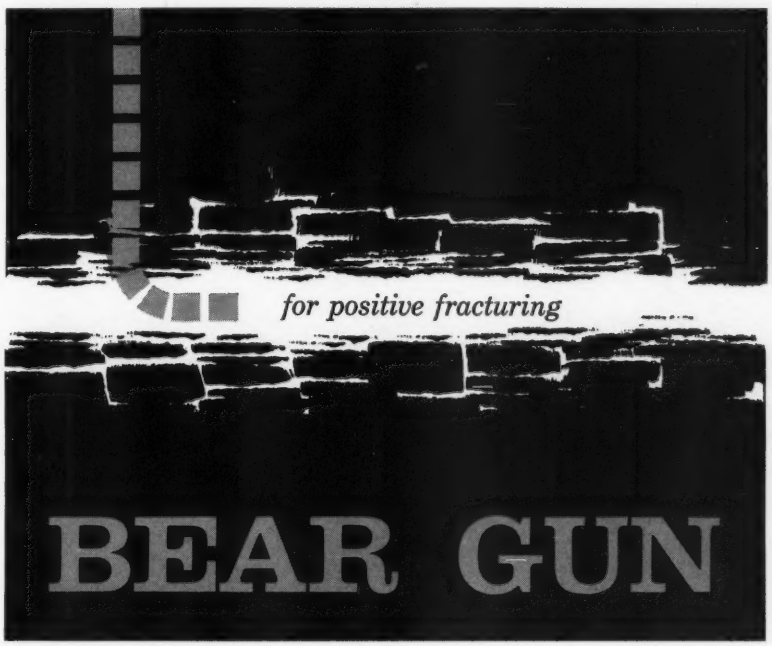
U. S. Senate Passes Interstate Oil Compact Measure

The U.S. Senate recently passed H. J. Res. 280. This is a measure that has previously passed the U.S. House of Representatives, giving congressional consent to a 4-year extension to the "Interstate Compact to Conserve Oil and Gas." The measure will now go to President Eisenhower for his approval.

Gov. J. Hugo Aronson, of Montana, chairman of the Interstate Oil Compact Commission, said passage of this measure by Congress, giving consent to a 4-year renewal of the compact, will enable the commission to redouble its efforts in the work of oil and gas conservation. Gov. Aronson said that the approval by Congress to the extension was also an approval of the work of the commission in conserving our irreplaceable resources of oil and gas.

The compact was first consented to by Congress in August of 1935, and has been subsequently approved since that time. The "Interstate Compact to Conserve Oil and Gas" was originally signed in Dallas, Tex., on Feb. 16, 1935, when six states, through their legislatures, ratified the agreement. Since that time, the compact has grown to 30 member states and 2 associate member states.

The compact will celebrate its 25th anniversary at the annual meeting of the commission in Philadelphia, Pa., Dec. 3-5, 1959, Gov. Aronson also said.



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LOS ANGELES BASIN

Brea Test Abandoned

Shell Oil Company abandoned Puente No. C-33 at a total depth of 3396 feet. The test was an edge well, located in the southwest quarter of Section 34-2s-10w.

Newhall-Potrero Completion

Sunray Mid-Continent Oil Co. completed R.S.F. No. 149-5 flowing on gas lift 307 b/d of 31.4 gravity oil cutting 7 per cent. Located in Section 35-4n-17w, the well was bottomed at 10,056 feet and cemented 7" casing at 8980 feet. A 5" liner, perforated at intervals from 10,054-9027 feet, was landed at 10,054 feet.

South Los Angeles Test Redrills

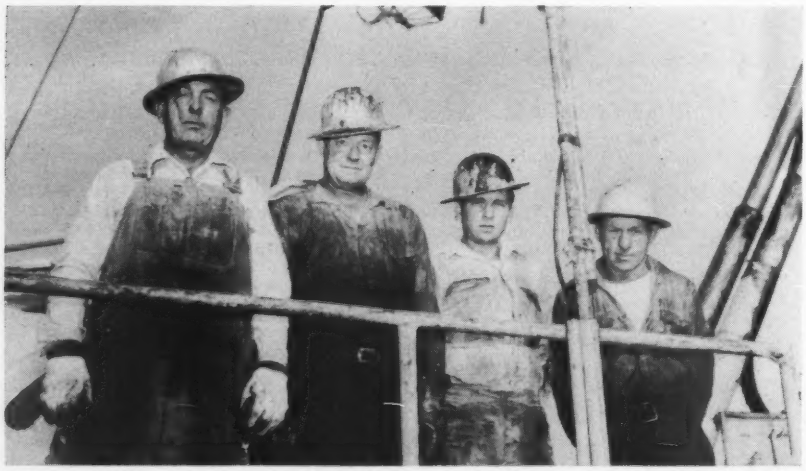
Western Gulf Oil Company's Pacific Electric RR No. 1, located in the northeast quarter of Section 33-2s-13w, drilled to a total depth of approximately 13,000 feet and was plugged back and is redrilling below 8900 feet.

Honor Rancho Completion

Texaco Inc. completed Honor Rancho A No. 26, an outpost test, flowing 536 b/d of 35 gravity oil cutting 0.1 per cent. Flow was through a 36/64" bean and gas was gauged at 323 mcf per day. The well was drilled to a total depth of 10,317 feet and cemented 7" casing at 9225 feet. A 5" liner, with perforations from 10,301-10,120 feet, is hung at 10,312 feet. The well is located in the northeast quarter of Section 12-4n-17w.

Huntington Beach Recompletions

Standard Oil Company re-completed two wells in the field. Huntington-A No. 119 in Section 3-6s-11w, near the intersection of Edwards and Garfield Streets, was completed from a total depth of 4375 feet flowing 353 b/d of 24.5 gravity oil, cutting five per cent. Flow was through an 18/64" bean with pressures of 395/1000 psi and 124 mcf of gas. 7" casing is cemented at 4265 feet. Jones Community No. 11 was completed flowing by heads 177 b/d of 23.0 gravity oil cutting 16.0 per cent through a 34/64" bean with pressures of 120/640 psi. Located in Section 34-5s-11w near the same intersection, the well was drilled to a total depth of 3270 feet.



Bernstein Oil Company's Bernstein No. 1 being put down in the Wilmington field by Ben Owens Drilling Company. Left to right: L. W. Underwood, driller; R. O. Wise, cathead; D. D. Kelly, leadtong; A. A. Plegel, racker.

Chino Hills Test Abandoned

Miller Drilling Company of Long Beach abandoned Greening No. 1 at a total depth of 2793 feet. The test was located near the center of Section 28-2s-8w in San Bernardino County, approximately one-half mile northeast of production.

NORTHERN CALIFORNIA

San Mateo County Wildcat

The Orange Oil & Gas Company has graded rig site for St. Ann-De La Christa No. 1, a wildcat test, located in the southwest quarter of Section 25-6s-5w. The test falls midway between the Half Moon Bay and the La Honda fields.

Sacramento County Recompletion

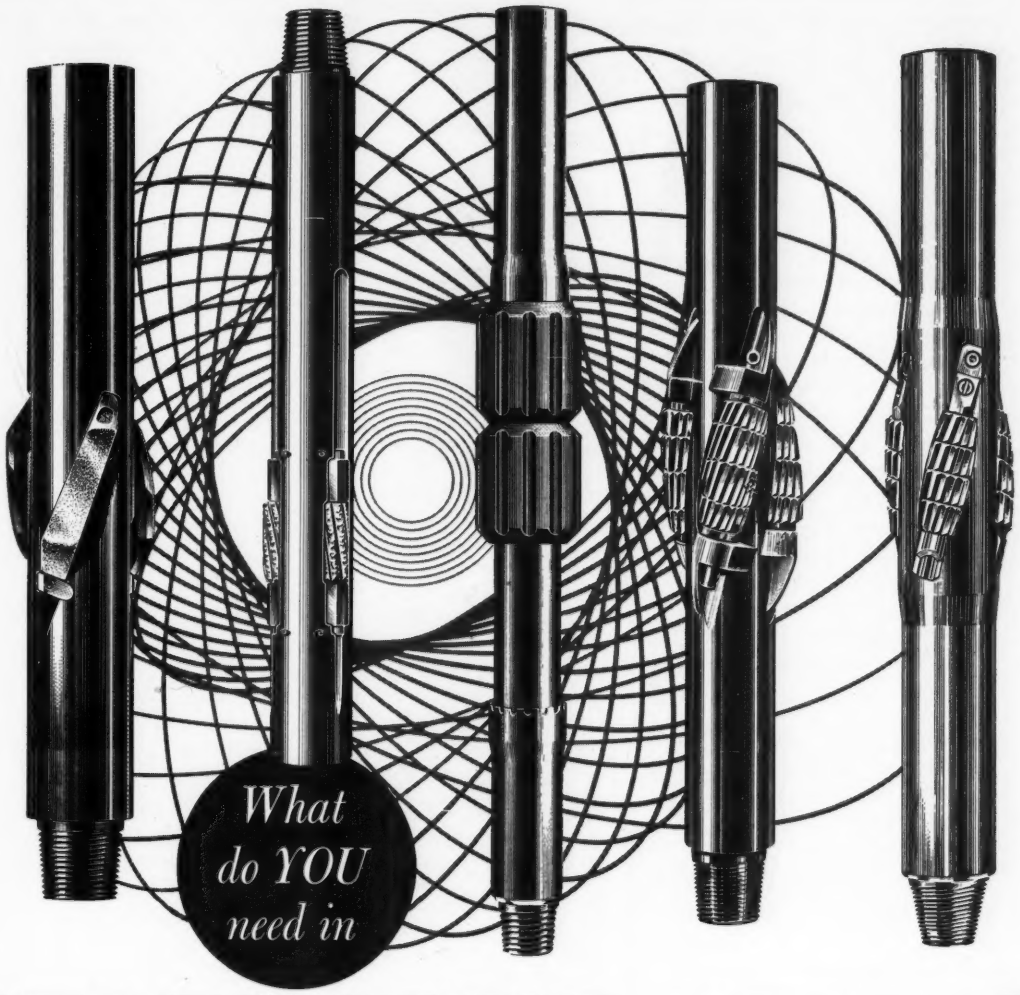
In the Thornton area, Brazos Oil & Gas Co. plugged and recompleted Walnut Grove Unit A No. 1 flowing (Midland Sand 3660-3690 feet) 2240 mcf of gas per day through a 19/64" bean with a flow pressure of 1290 psi. From the Lower Zone in the Meganos Sand flow was 3200 mcf of gas per day through a 20/64" bean with a flow pressure of 1470 psi. Located in the northeast quarter of Section 35-5n-4e, the well was drilled to a total depth of 9505 feet and has 5½" casing cemented at 4650 feet.

River Island Completion

E. C. Brown, Operator, completed his second well in the area, R. D. Graham No. 1, flowing 1100 mcf of gas per day through a 3/16" bean with 1365 psi flow pressure. Flow is from an eight foot interval in the Nortonville from 3688-3680 feet. Located in the northwest quarter of Section 33-4n-4e, the well was drilled to a total depth of 3911 feet and cemented 5½" casing at 3822 feet.

Glenn County Completion

In the Beehive Bend gas area, Ben J. Taylor completed Whyler No. 1 flowing 3800 mcf of gas per day through a ½" bean with 600 psi flow



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pressure. Located in the southwest quarter of Section 13-19n-2w, the well was drilled to a total depth of 4968 feet and cemented 4½" casing on bottom. Casing was later gun perforated from 4843-4796 feet.

San Joaquin County Wildcat

Approximately four miles southwest of Vernalis gas production, Porter Sesnon et al and Great Basins Petroleum Co. are drilling below 3000 feet on Sesnon-Vernalis No. 22-5, located in the northwest quarter of Section 5-4s-6e.

Rio Vista Test

Standard Oil Co. is grading location for Midland Fee No. H-12, a development well in the Rio Vista Gas field. Location of the well is in the northwest quarter of Section 7-3n-3e.

Glenn County Gas Test

B. B. B. Oil Enterprises has awarded a contract to the Brown Drilling Co. to drill McHatton No. 1 located in the northeast quarter of Section 1-18n-2w. The test will be drilled to approximately 7100 feet and is one mile northeast of the Princeton Gas field. Principles in the company are Wm. K. Barker, Howard and Bertram Given of 131 Barrington Place, Los Angeles.

Shallower Pool Discovery

Trico Oil & Gas Company completed Faria Unit No. 2 as a shallower pool discovery flowing 1500 mcf per day through a ⅜" bean and was shut in with pressures of 510/510 psi. Located in the Willow Pass area of Contra Costa County on Section 21-2n-1w, the well was drilled to a total depth of 1946 feet and cemented 5½" casing on bottom. Casing was gun perforated with 4, ⅜" holes per foot within the interval 1680-1498 feet.

Sutter County Test Abandoned

Richard S. Rheem, Operator, abandoned Greenhead No. 1 in the Wild Goose area after drilling and coring to a total depth of 3939 feet. The test was located in the southwest quarter of Section 30-17n-1e.

Tehama County Gas Test

In the Orland area, Western Gulf Oil Co. is grading rig site for J. I. McClintock No. 1 located in the center of the northwest quarter of Section 36-23n-3w. Location of the test falls five miles southeast of the Kirkwood Gas area.

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Universal Test Abandoned

In the Durham area of Butte County, Universal Consolidated Oil Co. abandoned Nissen No. 1 after drilling and coring to a depth of 3500 feet. The test was located in the southwest quarter of Section 15-20n-1e, two miles southeast of the Durham Gas area.

South Dome Well Abandoned

Buttes Gas and Oil Company's Corning Community No. 9A recovered a light blow of gas on a test of the interval 4740-4780 feet, and has been plugged and re-abandoned. The well located in the southeast quarter of Section 6-23n-2w, was first abandoned in 1958 after drilling to a total depth of 7989 feet. Before the second abandonment, the hole was redrilled from 2200 feet to 4780 feet.

San Joaquin County Wildcat

Richard S. Rheem, Operator, is moving in rotary to drill Weaver-Cordes No. 1, a wildcat test, located in the southwest quarter of Section 26-2s-4e. Brown Drilling Co. has the contract for the test, located four miles southwest of the town of Tracy.

Tracy Gas Test

Great Basins Petroleum Company will drill "Great Basins Pet.-Capital Company" No. 42-31, an 8000 foot test in the northwest quarter of Section 31-2s-5e in San Joaquin County, approximately 2½ miles southwest of the town of Tracy.

Lomerias Gas Test

Petrolex Incorporated has staked location for Felipe No. 1, a wildcat gas test, located in the northeast quarter of Section 29-12s-5e in San Benito County.

SAN JOAQUIN VALLEY

New Discovery for Standard

Standard Oil Company completed KCL-44 No. 34 as a new field discovery, pumping 300 b/d of 39.6 gravity oil cutting one per cent. The new field is to be known as the Pioneer Field and the producing zone the Pioneer Sand. The area is in the southern portion of the San Joaquin Valley, 1½ miles south of Los Lobos production. Located in the northwest quarter of Section 32-11n-22w, the

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well was drilled to a total depth of 10,017 feet and plugged back to 2420 feet and redrilled to 4030 feet. 7" casing is cemented at 2995 feet and a 5½" liner is landed at 3985 feet, including 722 feet of perforations within the interval 3995-2983 feet.

Elk Hills Extension Test Abandoned

Maggini Construction Co. tested and abandoned Maggini-Standard-USL No. 57 located in the southeast quarter of Section 10-30s-22e. The well blew out of control for six hours while drilling at 2850 feet, however drilling continued on to a total depth of 3129 feet, and was plugged back to 1690 feet and tested before abandoning.

Paloma Extension Test

The Superior Oil Co. is drilling below 2000 feet on KCL No. 45-11 located in the southwest quarter of Section 11-32s-26e. The location is two locations south of the present productive limits of the field.

Pleito Hills Wildcat

Shell Oil Co. is preparing to spud KCL No. 58-3 located in the southeast quarter of Section 3-10n-21w. This wildcat falls 1½ miles southwest of the Creek area of the Pleito Oil field.

Mountain View Well Recompleted

Standard Oil Company recompleted Jewett No. 2-8 flowing 125 b/d of 34.0 gravity oil cutting 12.0 per cent through a 32/64" bean with pressures of 640/50 psi. The well was first completed in 1947 from a depth of 6700 feet and was redrilled and deepened to its present depth of 8210 feet. 5½" casing, with 180 feet of perforations on bottom, was hung at 8204 feet and cemented through perforations at 8024 feet. The well is located in the southeast quarter of Section 16-31s-29e.

Mountain View Vedder Test

Honolulu Oil Corp. has staked location for Harper-Sabovidh No. 41, an outpost test of the field, in the northwest quarter of Section 5-31s-29e. The well will be a 10,500 foot Vedder Sand test and will be drilled by Loffland Brothers Co.

Shale Point Test Abandoned

Beach, Church & Bell abandoned Scherrer No. 3 located in the northwest quarter of Section 36-26s-18e at a total depth of 3615 feet. A Schlumberger was run but no tests were made. The test was approximately ½ mile northwest of the Shale Point Gas area production.

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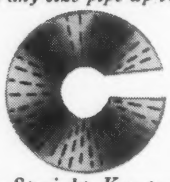

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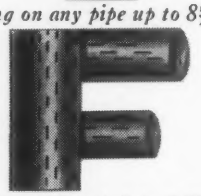

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Fresno County Test Abandoned

In the Burrel area, Sam B. Herndon, Operator, abandoned Well No. 1 after drilling and coring to a total depth of 6498 feet. Location of the test was in the southwest quarter of Section 22-16s-18e, northwest of the Burrel producing area.

Helm Test Abandoned

R. B. Montgomery, Operator, abandoned Rheem-Noble No. 28X-10 at a total depth of 8250 feet. An electric log was run and sidewall samples taken before abandoning. The test was located in the southwest quarter of Section 10-17s-18e. A second test, Rheem-Noble No. 21X-9, located in the northwest quarter of Section 9-17s-18e, is drilling below 1850 feet.

Fruitvale Outpost Test

Ferguson and Bosworth are grading rig site for G.P.-KCL No. 38-20 located in the southwest quarter of Section 20-29s-27e. The test, approximately 3200 feet west of production, will be drilled by Miller & York.

Shell Quits Rosedale Test

Southeast of the Rosedale field, Shell Oil Co. abandoned Shell-Camp-Moncure No. 24-7 at a total depth of 7133 feet. No tests were made on the well, located in the northwest quarter of Section 7-29s-27e.

Bowerbank Deep Test

General Exploration Co. of Calif. is preparing to spud Brandt No. 1 located in the southwest quarter of Section 10-29s-24e. The well will be an 11,500 foot Stevens Sand test of a 640-acre block on the easterly flank of the Bowerbank Gas field. Ferguson & Bosworth have an interest in the test, and R. B. Montgomery has the contract to do the drilling.

Mount Poso Well Testing

Ring Oil Company's Knapp-B No. 1 logged the top of the Vedder Sand at 1388 feet and is preparing to complete from a total depth of 1448 feet. 7" casing is cemented at 1388 feet. Located in the southwest quarter of Section 34-26s-28e, the well is southeast extension test of the Dominion area.

North Tejon Texaco Well

Texaco Inc. completed Tejon-C No. 3 flowing 75 b/d of 40.0 gravity oil cutting 36 per cent through a 12/64" bean with pressures of 725/1700 psi. Gas flow was 320 mcf per day. Located in the southwest quarter of Section 19-11n-19w, the well was drilled to a total depth of 11,717 feet and was plugged back to 11,484 feet. 7" casing is cemented at 11,242 feet.

Tulare County Wildcat Test

In the Alpaugh area, Pacific Central Company is preparing to drill Pacific Central-Roller No. 1. Located in the north quarter corner of Section 20-23s-23e, the test will be drilled to approximately 3000 feet. Cliff E. Zillgitt has the drilling contract.

Gosford Test Abandoned

Universal Consolidated Oil Co. plugged and abandoned Statex-KCL No. 85-13 at a total depth of 9950 feet. The test was located near the east quarter corner of Section 13-30s-26e, northeast of the producing area.

Texaco Nose Test

Texaco Inc. is drilling below 7000 feet on KCL-San Emidio No. 2 located in the southeast quarter of Section 18-11n-21w. The wildcat test is approximately two miles southwest of production.

Tidewater Deep Test

Tidewater Oil Company is drilling below 6000 feet on Buena Vista Associates No. 22-11, located in the northwest quarter of Section 11-32s-26e between the Buena Vista Hills oil field and the Buena Vista Lake gas field. The well is scheduled to go to approximately 12,000 feet for a test of the Stevens Sand.

Merced County Test Abandoned

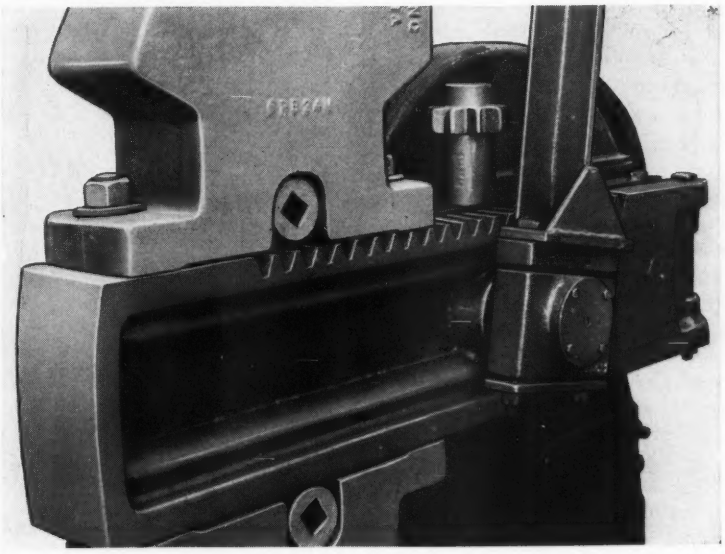
Richfield Oil Corp.'s Ferreira No. 1 located in the southeast quarter of Section 26-6s-9e, nine miles southwest of Turlock, drilled to a total depth of 7335 feet and was abandoned.

North Tejon Completions By Reserve O & G Co.

Reserve Oil & Gas Co. completed B.W.-T No. 333-20 flowing 530 b/d of 35.0 gravity oil cutting one per cent. Flow was through an 18/64" bean with a flow pressure of 1020 psi. Gas was gauged at 815 mcf per day. The well was drilled to a total depth of 12,575 feet and redrilled to 11,905 feet. 7" casing is cemented at 11,472 feet and a 5" liner, perforated from 11,870-11,635 feet, was landed at 11,904 feet. Location of the well is in the northwest quarter of Section 20-11n-19w.

Another completion, well W-T 338-18 in the North Tejon Field, produced 34 degree gravity oil at the rate of 2,292 barrels per day and gas at the rate of 2,501 mcf per day through a ½" bean. Production has since been restricted to 776 barrels and 796 mcf a day through a ¼" bean with 1720 lbs. tubing pressure. This rate of flow undoubtedly will be restricted further in accordance with good oil field practice. Completion was made in the Z-1R, Z-1, Z-3, Z-4, and Z-5 Sands of the Vedder formation at a depth of 12,129 feet. Standard Oil Company of California and the Butler-Wehr group are associated with Reserve in this well. Location of the well is in the southwest quarter of Section 18-11w-19w.

Reserve's other completion, R-S-T 6630 in the Windgap area, is producing 1846 mcf of gas and 92 barrels of condensate through a 10/64" bean with



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2400 lbs. of tubing pressure. This well was completed in the J-V Sand at a depth of 8718 feet. Sunray Mid-Continent and Tejon Ranch Company are Reserve's partners in this well. This well is located in southwest quarter of Section 30-11n-19w.

Reserve and the Standard-Butler-Wehr associates have three other wells drilling in the area and are about to spud the fourth. Well W-T 313-19 is being redrilled to the Refugian sands and Eocene zone with the use of an oil base drilling fluid after setting casing to the base of the Vedder. This well is scheduled as a dual completion. Well W-T 342-19 is drilling at 7359 feet and Well BW-SP 378-17 is drilling at 7489 feet; both wells are programmed for the Vedder. The fourth well will be BW-T 352-20. Well location is northeast quarter Section 20-11n-19w.

North Tejon Tests Abandoned

Reserve Oil and Gas Company abandoned Reserve-Dunlavy No. 125-20 at a total depth of 7450 feet. The well, an Olcese Sand test, was located in the southwest quarter of Section 20-11n-19w.

Well 318-15, drilled about one and a half miles east of existing Vedder production, reached a depth of 12,947 feet. The well encountered interesting oil and gas shows but did not produce in commercial quantities and is to be abandoned.

Ten Section Completion

Shell Oil Company completed KCL No. 25-24, a northwest extension test in the southwest quarter of Section 24-30s-26e, flowing on gas lift 490 b/d of oil cutting one per cent. The well drilled to a depth of 8280 feet and cemented 5½" casing at 8270 feet. Casing was jet perforated from 8215-8108 feet.

COASTAL AREA

Sespe Shallow Test

Parbe Oil Company is drilling below 250 feet on Well No. 1 located in Section 1-4n-20w. The test is being drilled with cable tools.

South Mountain Extension Test

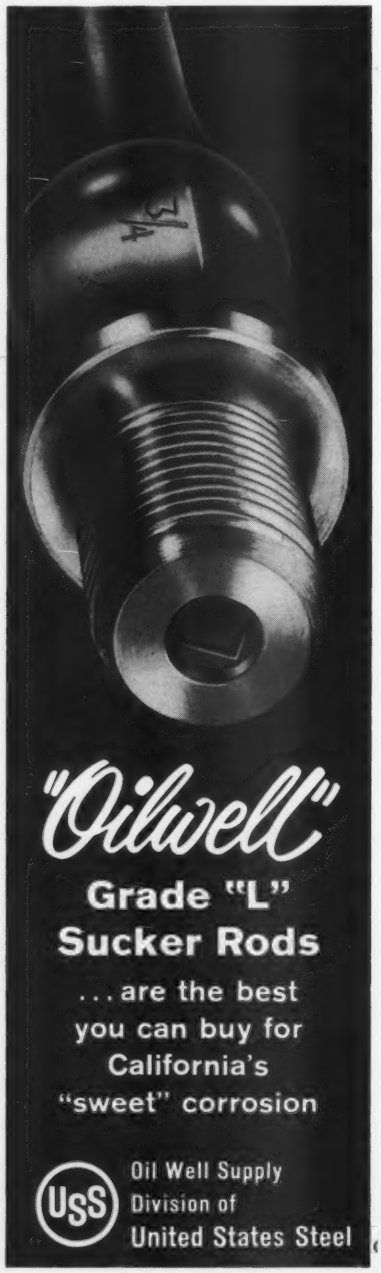
McCulloch Oil Exploration Company of Calif., Inc. has staked location for McCulloch-Standard-Terry No. 1, an extension test of the field. Located in the southwest quarter of Section 31-3n-20w, approximately 1100 feet south of production, the test will be bottomed at approximately 8500 feet. H. L. Shepard & Sons will handle the engineering.

Bardsdale Test Abandoned

Union Oil Company's Irwin-Berylwood No. 5 was drilled to a total depth of 16,457 feet and has been abandoned. The well, an extension test, was located in the southwest quarter of Section 1-3n-20w.

Shiells Canyon Test Abandoned

After several weeks of pump testing, resulting in the recovery of water and some oil, Humble Oil & Refining Co. abandoned Cora Saviers et vir No. 1. Located in the southwest quarter of Section 9-3n-19w, south of the Shiells Canyon field, the well was drilled to a total depth of 7043 feet and cemented 4½" casing at 6511 feet. The interval tested was above 6500 feet.



Cojo Offshore Test Suspends

Phillips Petroleum Co. has suspended operations on Phillips Petroleum-Pauley et al-State 2207 E. T. No. 3 at a depth of 5010 feet. Location of the test is in projected Section 11-4n-34w, offshore from Point Conception in Santa Barbara County.

Texaco Offshore Test Abandoned

Texaco Inc. abandoned Texaco-Monterey-PRC 2206 Core Hole No. 3 at a total depth of 7447 feet. Located offshore from Gaviota in projected Section 11-4n-33w, the test was drilled from a C.U.S.S. drilling boat.

Bardsdale Recompletion

Atlantic Oil Company recompleted Burson No. 2 flowing 300 b/d of 31.0 gravity clean oil through a 14/64" bean with pressures of 340/940 psi. Flow is from the perforated interval 5600-5530 feet. Originally completed in 1958 from a total depth of 6840 feet, the well was plugged back to 3735 feet and redrilled to 6180 feet and plugged bottom to 5900 feet. 5½" casing is cemented at 5900 feet. Location of the well is in the southwest quarter of Section 6-3n-19w.

El Rio Test

Sapphire-American Petroleums, Inc. will drill a 12,000 foot test in the El Rio area located in the northwest quarter of Section 14-2n-22w. Jim M. McNeill is in charge of the California operation, and has offices at 606 South Hill Street in Los Angeles.

Squat Flat Test Abandoned

John Baldwin drilled to 2600 feet on his Baldwin-Copa No. 1 well, and after testing shows from 1285-1355 feet, has been abandoned. Sand was too tight to produce. The well is located in the southwest quarter of Section 5-5n-19w.

Rincon

Honolulu Oil Corp. will drill Well No. 12 on State Lease 429, in the the Rincon Field.

OTHER STATES

Arizona

E. B. La Rue is grading location for Navajo No. 1, a 7300 foot Devonian test, six miles south of the East Boundary Butte in Apache County. Location for the test is in the northwest quarter of Section 18-40n-28e.

Kerr-McGee Industries, Inc. has staked locations for two shallow tests in Apache County. State No. 5, an 1100 foot Coconino test, will be drilled in the northeast quarter of Section 36-20n-26e, and Matoni No. 1, a 750 foot Coconino test, will be drilled in the northeast quarter of Section 22-21n-28e.

New Mexico

Skelly Oil Company completed Mex-Federal-A No. 1N as a new field discovery flowing 100 b/d of clean oil in the Gallup from 5453-5388 feet, and 1000 mcf of gas per day from the Dakota within the perforated interval 6556-6475 feet. Located in the southeast quarter of Section 10-24n-6w in Rio Arriba County, the well was drilled to a total depth of 6750 feet and has 7" casing cemented at 6749 feet.

Consolidated Oil and Gas Company completed Government-Payne No. 1-35 flowing 3000 mcf of gas per day through a ¾" bean. Flow is from the Dakota, perforated from 6594-6578 feet. Distillate recovery was 35 b/d. The well is located in the southwest quarter of Section 35-31n-13w in San Juan County. Total depth of the well is 6774 feet with 5½" casing cemented on bottom. Consolidated Oil & Gas is now preparing location for Government No. 2-35 in the northeast quarter of Section 35-31n-13w.

Alaska

Standard Oil Co. and Richfield Oil Corp. completed Swanson River Unit No. 14-15 flowing 100 b/d of 30 gravity clean oil, their third completion on the Swanson River. The well, located on the Kenai Peninsula in Section 16-8n-9w, was drilled to a total depth of 12,582 feet and redrilled to 11,460 feet. 7" casing is cemented at 11,449 feet. Standard Oil Co. and Richfield Oil Corp. are moving in to drill Swanson River Unit No. 32-15 located in the northwest quarter of Section 15-8n-9w.

Union Oil Co. and The Ohio Oil Co. are drilling below 11,500 feet on their Kenai Peninsula test, Union-Ohio-Kenai Unit No. 1, located in Section 8-4n-11w.

General Petroleum Corp.'s Bristol Bay test, Great Basins No. 1 in Section 2-27n-48w, is drilling below 7200 feet.

Paul G. Benedum, Operator, is moving in equipment to drill Nulato Unit No. 1, a 12,000 foot test, located on Section 7-10s-2e in the Katell River area, 16 miles southwest of Nulato.

Utah

Discovery of a new oil field in Duchese County, Utah, 16 miles northwest of the town of Roosevelt, was announced recently by Standard Oil Company of California, Western Operations, Inc.

Tests indicated the discovery well has an initial capacity of more than 350 barrels daily. Production is from Eocene sands, in three intervals between 10,000 and 12,000 feet.

Located on the Uintah and Ouray Indian Reservation, the discovery is the third well drilled by Standard on this prospect and the first productive well completed on the north side of the Uintah Basin. The company has 60,000 acres under lease in the area.

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LAUGH

Passenger in bus: "Is smoking permitted, conductor?"

Conductor: "No."

Passenger: "Well, where did all these cigarette butts come from?"

Conductor: "From people who didn't ask questions."

"What can you tell us about King Solomon?" questioned the Sunday School teacher.

"He was very wise," replied a little girl, "and loved women and animals."

"Loved women and animals?" gasped the teacher. "Who told you that?"

"Why, the Bible says so," declared the child. "It says that he had several hundred wives and three hundred porcupines."

BOOKIE — a pickpocket who lets you use your own hands.

THIS

A farmer's barn had burned down and the agent from the insurance company arrived to discuss the claim. Explaining the policy that covered the structure, he told the farmer that his firm would build another barn of similar size instead of paying the claim in cash. The farmer was furious.

"If that's the way your company does business," he exploded, "you can just cancel the insurance policy on my wife!"

"Did you know that in some parts of the world you can get a pound of coffee, two loaves of bread, a quart of whiskey and a wife for two dollars?"

"Huh, can't be very good whiskey."

"Is it true that wild beasts in the jungle will not harm you if you carry a lighted torch?"

"It depends," answered the big-time hunter, "upon how fast you carry it."

OFF!!

Two glamorous girls boarded a crowded street car, and one of them whispered to the other, "Watch me embarrass a seat from one of the men."

Pushing her way through the standees, she bore down on a gentleman who looked substantial and embarrassable.

"My dear Mr. Black," she gushed, "fancy meeting you on a street car! Am I glad to see you—you're getting to be really a stranger. Oh, am I tired!"

The sedate gent looked up at the girl he had never seen before, and, as he rose, he said for all to hear. "Sit down, Flossie, my girl. We don't often see you out on wash day. No wonder you are tired."

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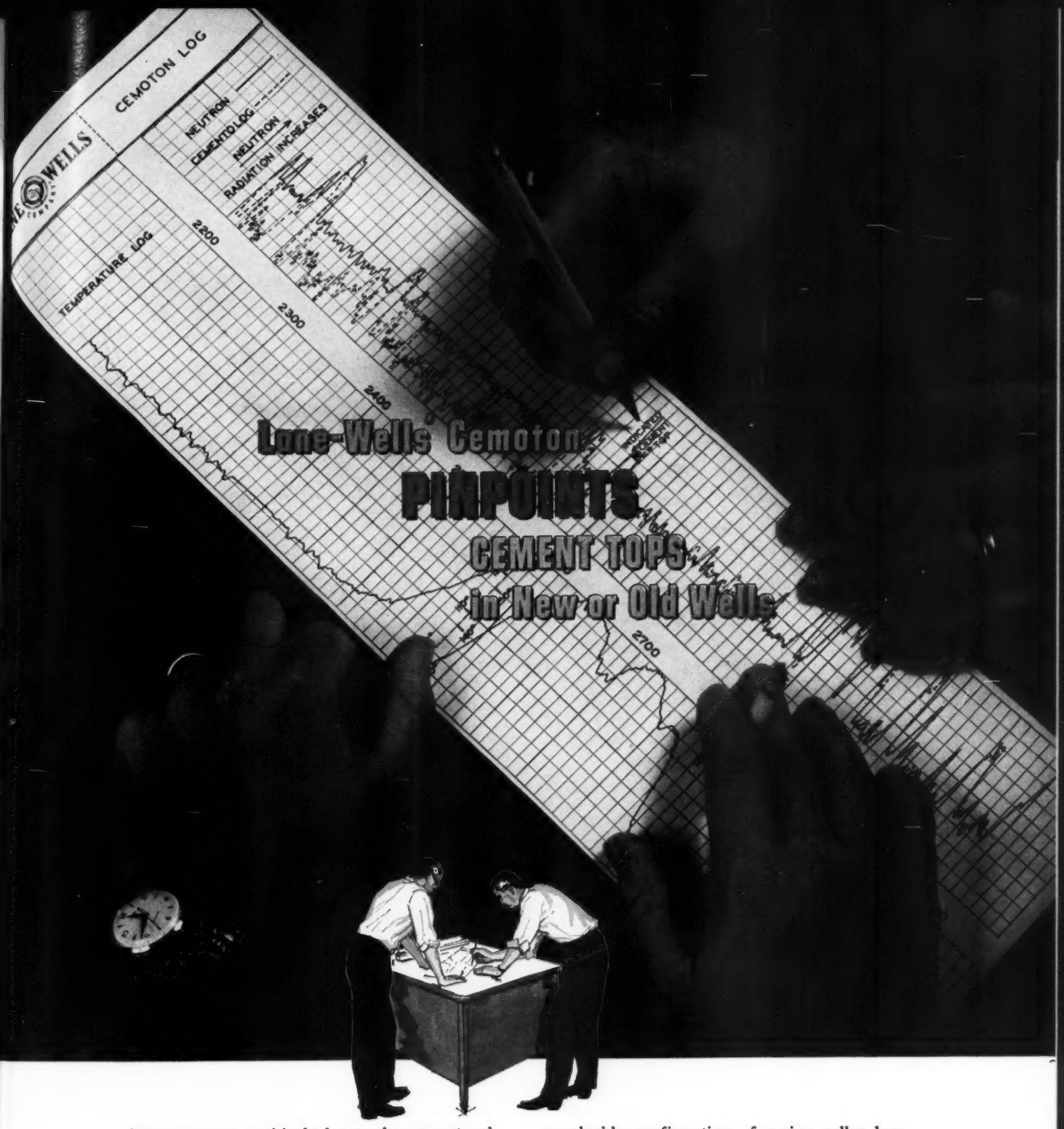

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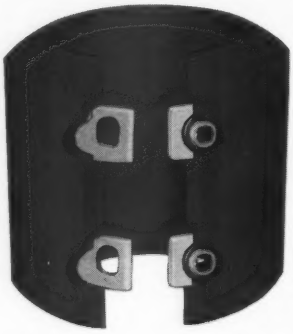

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